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CAT/STA



United States
Department of
Agriculture

Forest Service

Tongass
National
Forest

R-10-MB-200

December 1992



North Revilla Draft Environmental Impact Statement

Ketchikan Pulp Company
Long-Term Timber Sale Contract
Volume III, Part 1



Handwritten: HONOLULU BRANCH

Handwritten: JAN 2 1993

Handwritten: 100-100000-1000



Recycled Paper

Appendix K

Unit Cards

Appendix K

Unit Cards

Unit cards have been developed for each harvest unit and associated road proposed for the North Revilla Draft Environmental Impact Statement (EIS). These cards are intended to display site-specific information, enabling the public to more fully understand harvest implications. They also serve as a mechanism to pass on information gathered during office reconnaissance of the proposed harvest units to Forest Service field personnel, as well as to provide a vehicle for field recon observations to be routed back to the Interdisciplinary Team (IDT) for consideration in preparation of the Final EIS.

The Unit Cards consist of two parts: (1) a detailed description of the unit, and (2) a schematic map. The map displays the proposed unit and associated roads in the center of the page. Other features shown include: streamcourses, existing roads, previously harvested areas, contour lines, lakes, saltwater, and eagle nests.

The reverse side of the card provides a physical description of the unit, as well as identification of resource concerns which must be considered during implementation of harvest. The physical description includes the location, planned acreage, estimated sawlog plus utility volume, silvicultural system, predominant forest type, aspect, and a breakdown by volume class, elevation range, and soil mass movement index. Resource considerations are identified for soils, timber, engineering, fisheries/watersheds, wildlife, recreation, visuals, lands, cultural resources, and geology.

Based on field reconnaissance which was initiated in summer 1992 and is ongoing, these unit cards will be made more site specific and presented as part of the Final EIS and the Record of Decision (ROD).

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2001</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>47</u>		Quad <u>KTND5NES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1174</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>CMM</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Shelter wood</u>		1979 Photo <u>1279-44</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 47 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 10 acres 1200-1500 ft. 34 acres over 1500 ft. 3 acres
Mass movement index: Low 13 acres Medium 0 acres High 34 acres Very High 0 acres
Cedar 0 Hemlock 47 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 47 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 4 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.
This unit is immediately adjacent to a B1 stream. No harvest within 100 feet and partial cut 100-200 feet of stream.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

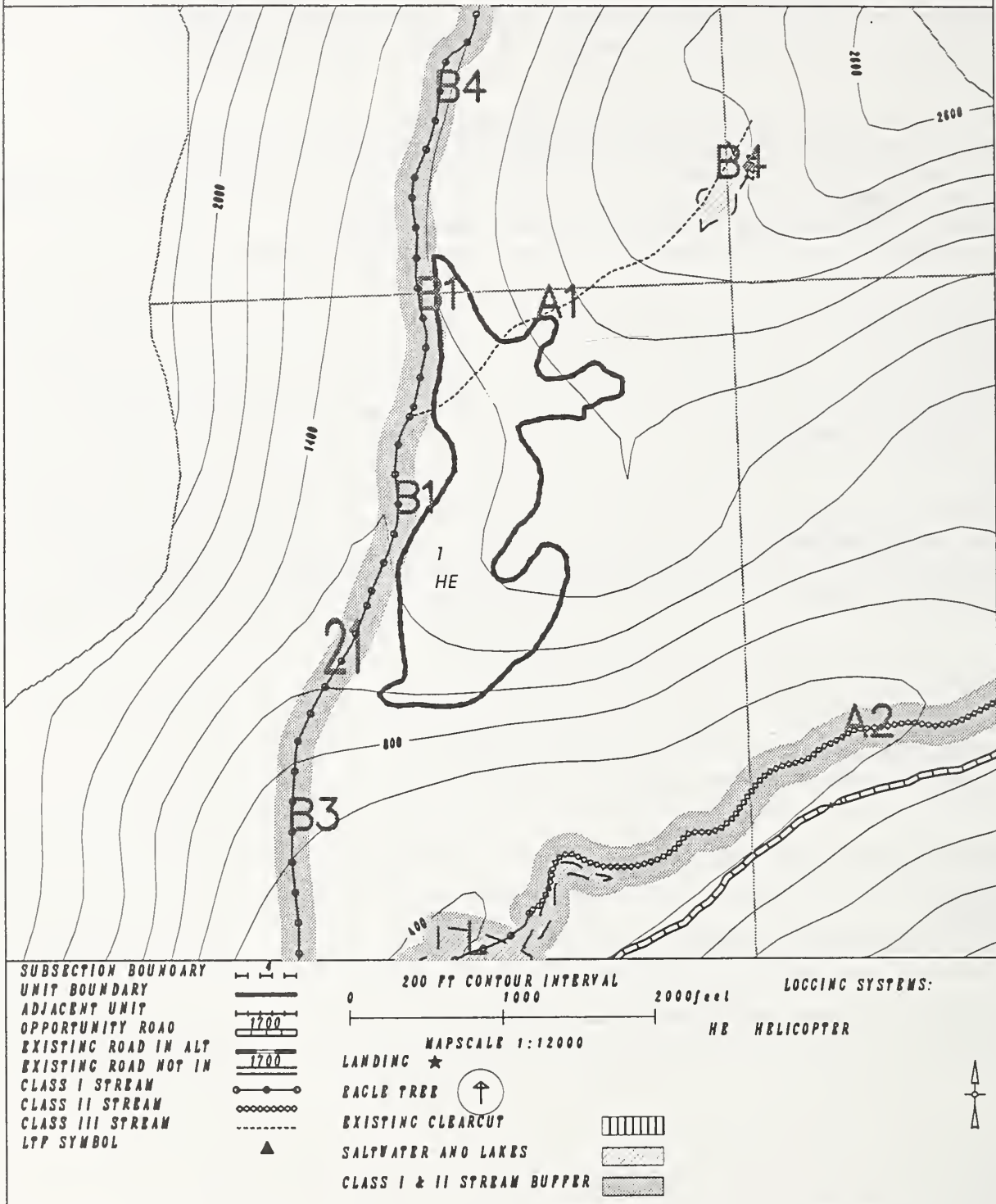
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2001

PLANNED HARVEST UNIT MAP

ACRES: 47 VOLUME: 1174 MBP QUAD(s): KTN05 QUARTER QUAD(s): NES/SEN
 PHOTO NUM.: 1279-44 LANDNET INFO TOWNSHIP 62S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2002</u>	No. Settings <u>3</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>27</u>		Quad <u>KTND5NES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>808</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>CCS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-46</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 6 acres VC5 21 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 5 acres 800-1200 ft. 22 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 27 acres Very High 0 acres
Cedar 0 Hemlock 21 Mixed 6 Percent Seen 0.00 Percent Unseen 1.00 Aspect South

SOILS

This unit has 26 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 15 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Replanting of yellow and red cedar should be considered.
Recommendation is to perform a prescribed burn after harvest is completed to promote regeneration.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.05 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit is immediately adjacent to a B1 stream. No harvest within 100 feet and partial cut 100-200 feet of stream.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

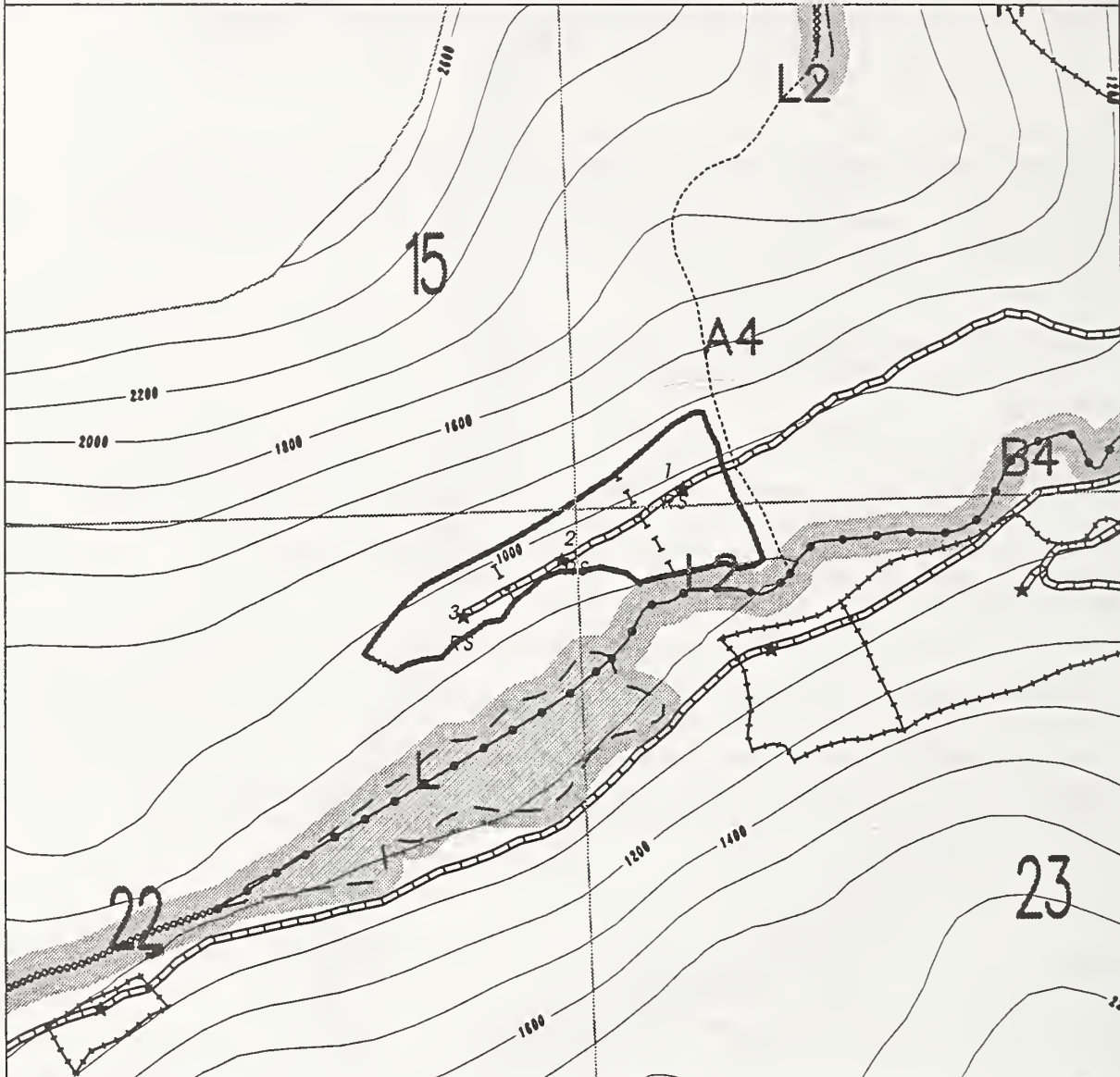
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2002

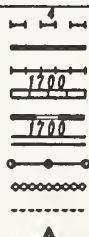
PLANNED HARVEST UNIT MAP

ACRES: 27 VOLUME: 808 MBP QUAD(s): KYND5 QUARTER QUAD(s): NES
 PHOTO NUM.: 1279-46 LANDNET INFO TOWNSHIP 89S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow symbol)

EXISTING CLEARCUT (hatched box symbol)

SALTWATER AND LAKES (light blue box symbol)

CLASS I & II STREAM BUFFER (dark grey box symbol)

LOGGING SYSTEMS:

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2003</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>40</u>		Quad <u>KTND5NES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1254</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>CCD</u>
Logging methods <u>SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>44-88</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 40 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 22 acres 1200-1500 ft. 15 acres over 1500 ft. 2 acres
Mass movement index: Low 0 acres Medium 40 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 40 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect East

SOILS

This unit has 40 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 39 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Replanting of yellow cedar should be considered.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a B1 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.
Oversteepened slopes may require full bench construction on 0.04 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit is immediately adjacent to a B1 stream. No harvest within 100 feet and partial cut 100-200 feet of stream.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

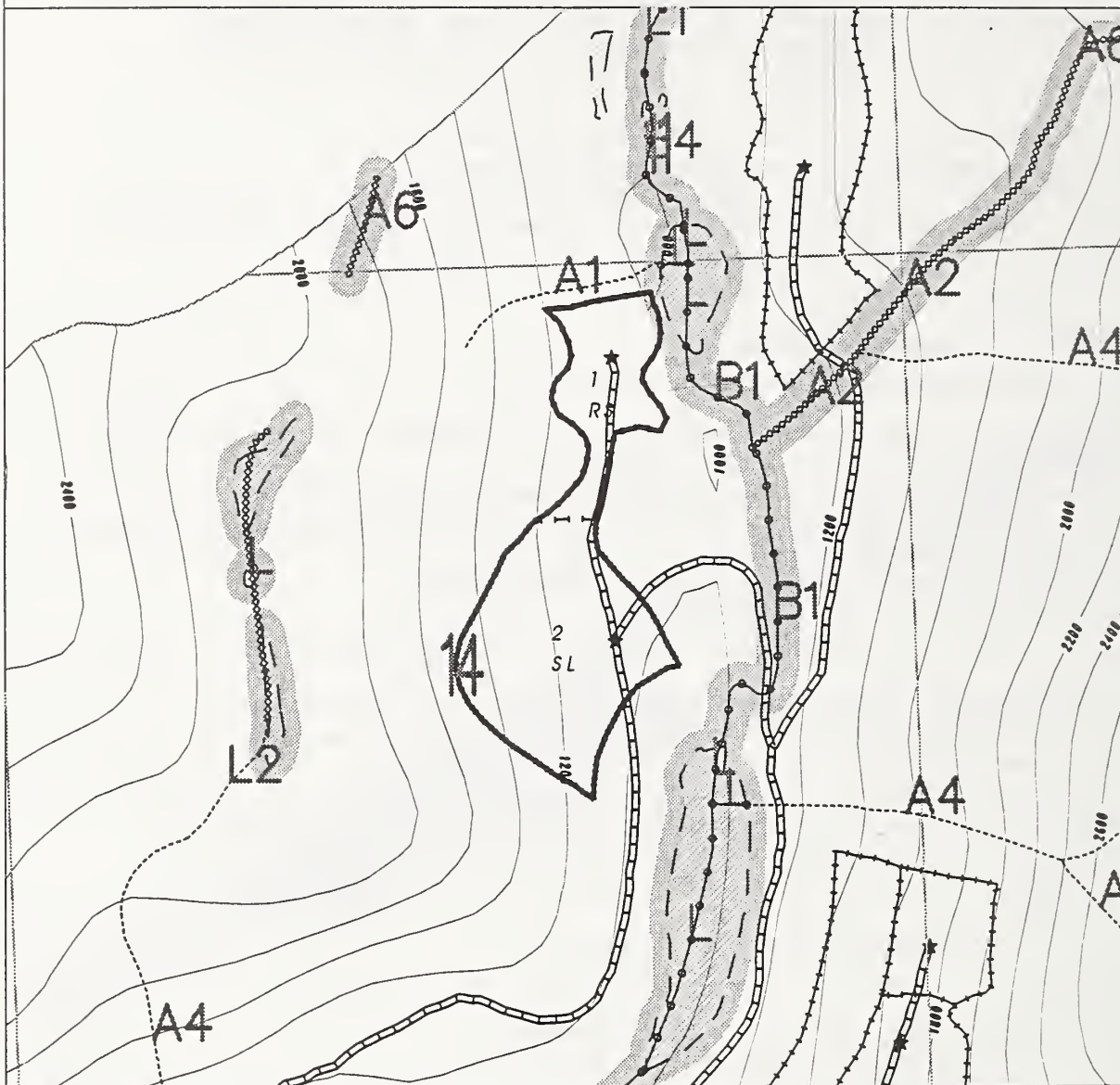
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2003

PLANNED HARVEST UNIT MAP

ACRES: 40 VOLUME: 1254 MBF QUAD(s): KTND5 QUARTER QUAD(s): NES
 PHOTO NUM.: 44-88 LANDNET INFO TOWNSHIP 62S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

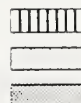
LANDING ★

EAGLE TREE (circle with cross)

EXISTING CLEARCUT (dashed line)

SALTWATER AND LAKES (wavy line)

CLASS I & II STREAM BUFFER (shaded area)



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 SL SLACKLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2004</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>30</u>		Quad <u>KTND5NES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>941</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>CCS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>44-88</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 30 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 9 acres 1200-1500 ft. 21 acres over 1500 ft. 0 acres
Mass movement index: Low 12 acres Medium 18 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 30 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 20 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
Oversteepened slopes may require full bench construction on 0.07 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 2 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A2 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2004

PLANNED HARVEST UNIT MAP

ACRES: 30 VOLUME: 941 MBP QUAD(s): KTND5 QUARTER QUAD(s): NES
 PHOTO NUM.: 44-88 LANDNET INFO TOWNSHIP 69S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



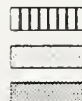
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (circle with cross)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2005</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>49</u>		Quad <u>KTND5NES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1448</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>44-88</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 14 acres VC5 35 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 5 acres 1200-1500 ft. 13 acres over 1500 ft. 31 acres
Mass movement index: Low 8 acres Medium 7 acres High 34 acres Very High 0 acres
Cedar 0 Hemlock 14 Mixed 35 Percent Seen 0.20 Percent Unseen 0.80 Aspect West

SOILS

This unit has 41 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction on 0.89 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

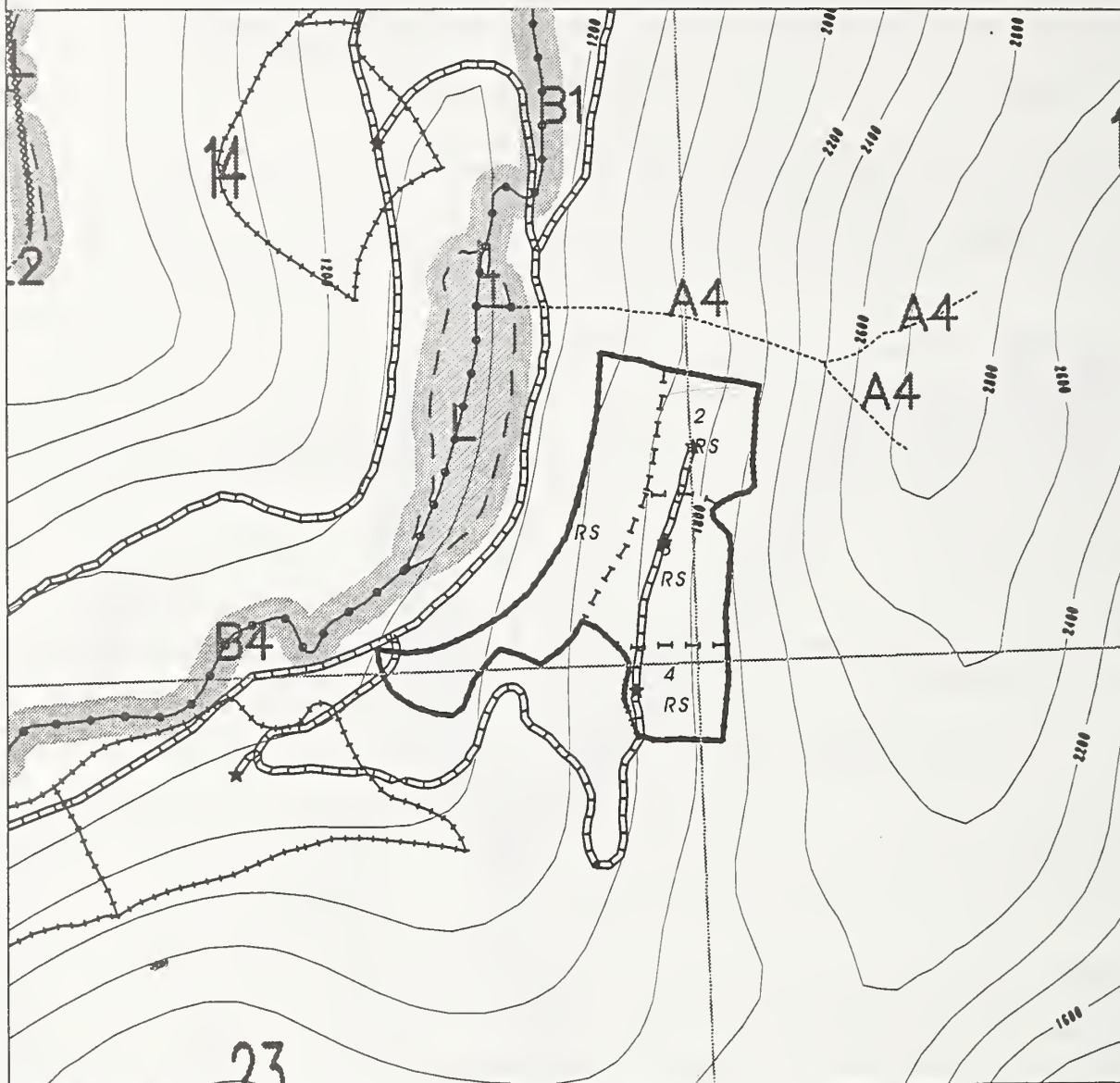
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2005

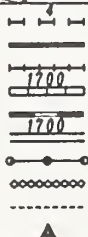
PLANNED HARVEST UNIT MAP

ACRES: 49 VOLUME: 1448 MBF QUAD(s): KTND5 QUARTER QUAD(s): NES
 PHOTO NUM.: 44-88 LANDNET INFO TOWNSHIP 82S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT (hatched box)

SALTWATER AND LAKES (white box)

CLASS I & II STREAM BUFFER (shaded box)

LOGGING SYSTEMS:

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2006</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>48</u>		Quad <u>KTND5NES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1353</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>WHS</u>
Logging methods <u>SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>44-88</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 24 acres VC5 24 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 32 acres 1200-1500 ft. 16 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 2 acres High 46 acres Very High 0 acres
Cedar 0 Hemlock 48 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 48 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 29 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.74 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B4 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

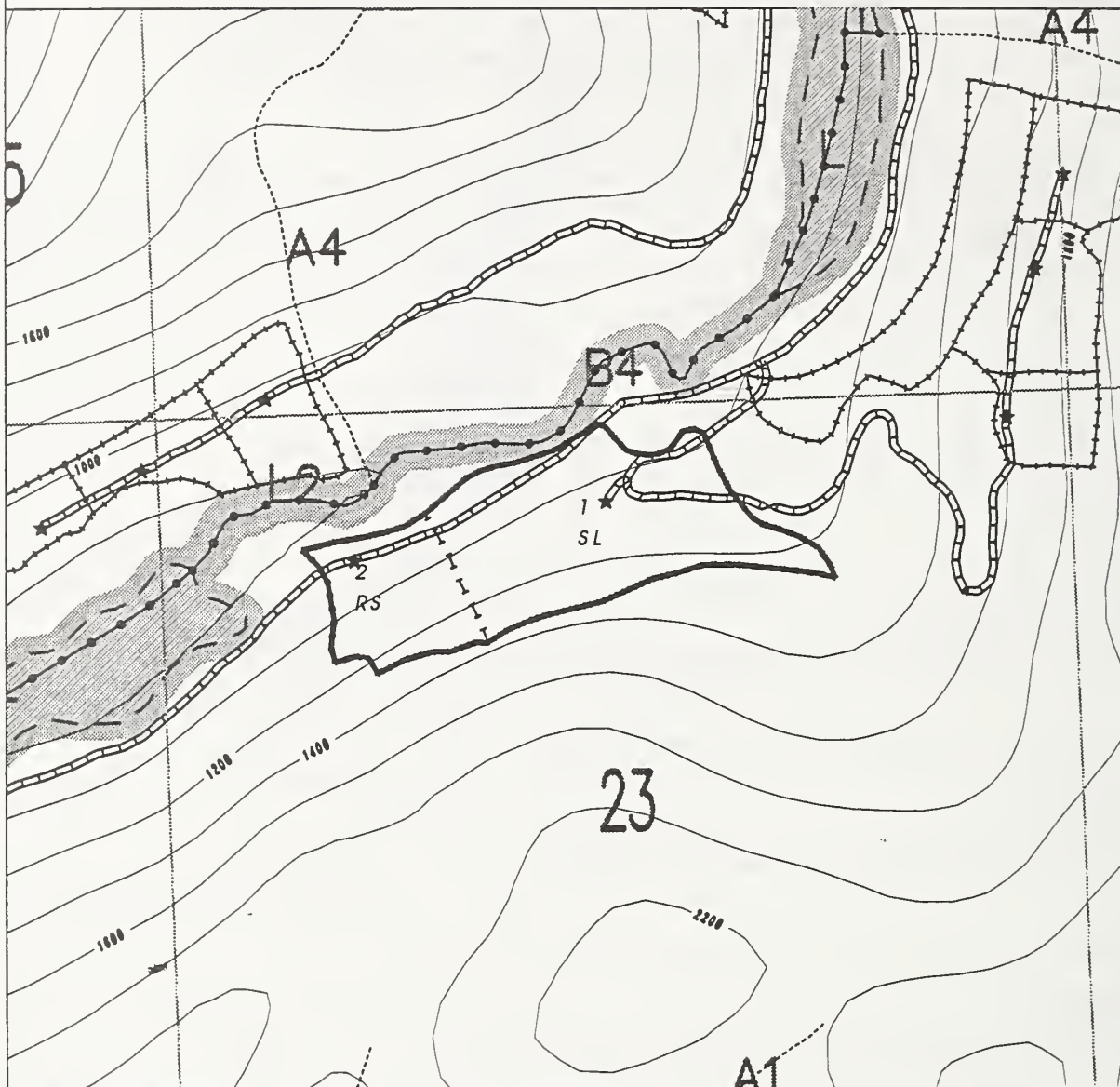
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2006

PLANNED HARVEST UNIT MAP

ACRES: 48 VOLUME: 1353 MBF QUAD(s): KTND5 QUARTER QUAD(s): NES
 PHOTO NUM.: 44-88 LANDNET INFO TOWNSHIP R2S RANGE 31E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2007</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>4</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>125</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-44</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 4 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 4 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 4 acres Very High 0 acres
Cedar 0 Hemlock 4 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 4 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 1.27 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit
in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

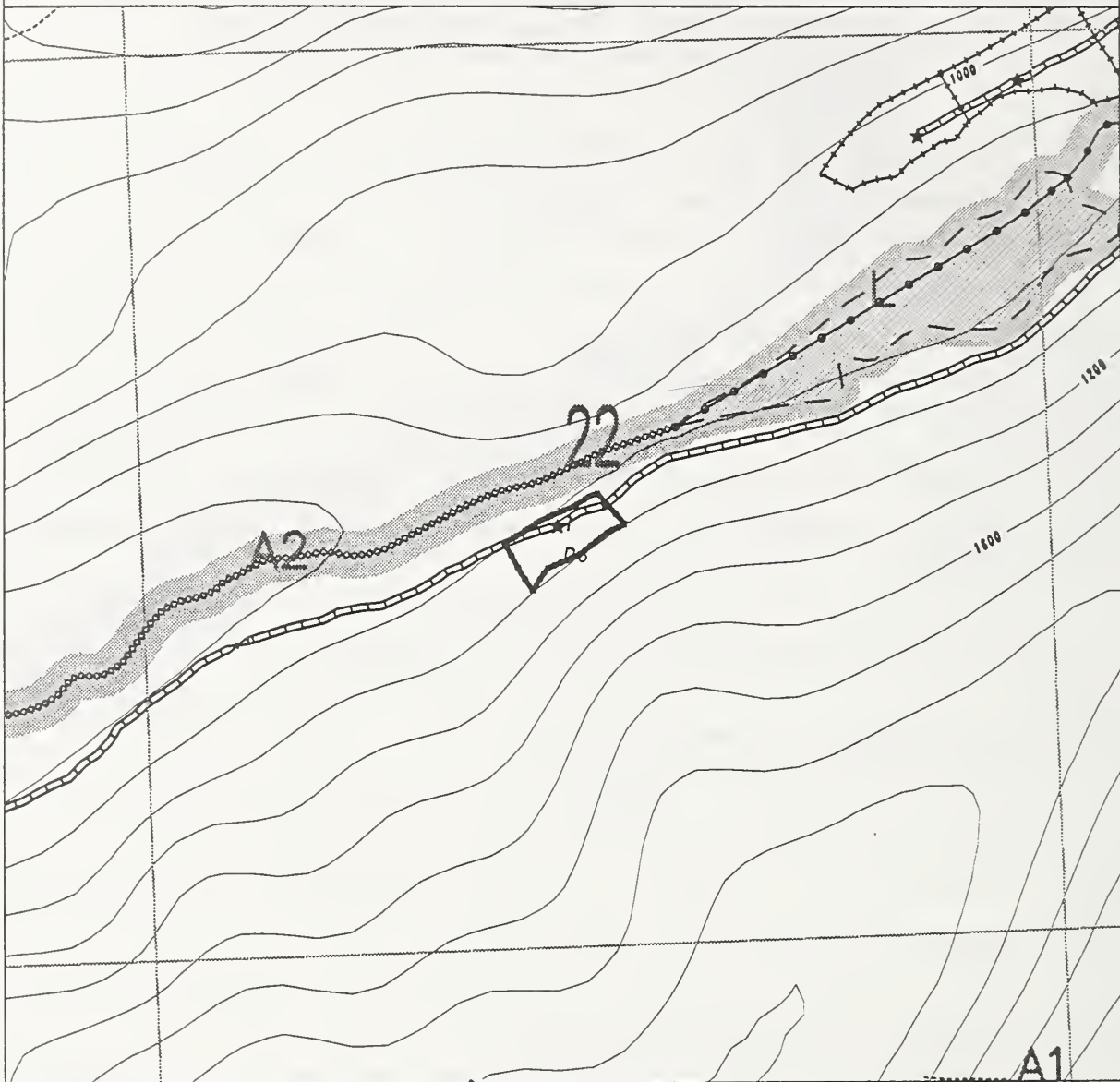
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2007

PLANNED HARVEST UNIT MAP

ACRES: 4 VOLUME: 125 MBF QUAD(s): KYNOS QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-44 LANDNET INFO TOWNSHIP 69S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



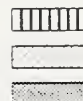
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2008</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>29</u>		Quad <u>KTND5NES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>795</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>CCS</u>
Logging methods <u>HL SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-45</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 18 acres VC5 11 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 26 acres 1200-1500 ft. 3 acres over 1500 ft. 0 acres
Mass movement index: Low 6 acres Medium 0 acres High 23 acres Very High 0 acres
Cedar 0 Hemlock 29 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect South

SOILS

This unit has 29 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 16 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

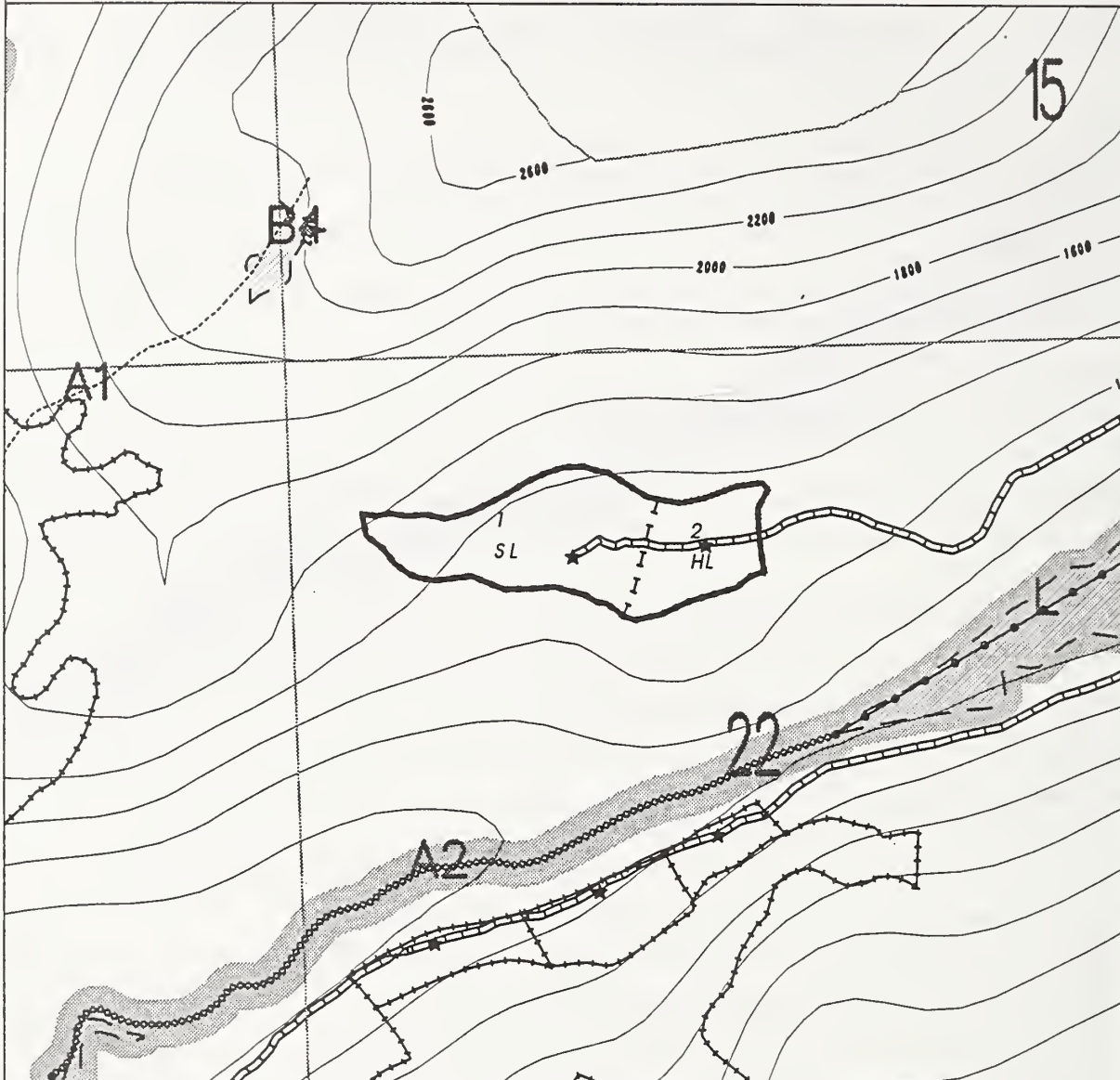
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2008

PLANNED HARVEST UNIT MAP

ACRES: 29 VOLUME: 795 MBF QUAD(s): KYND5 QUARTER QUAD(s): NES
 PHOTO NUM.: 1279-45 LANDNET INFO TOWNSHIP R2S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (up arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:
 SL SLACKLINE
 HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2009</u>	No. Settings <u>4</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>91</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2388</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-44</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 73 acres VC5 18 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 4 acres 800-1200 ft. 37 acres 1200-1500 ft. 28 acres over 1500 ft. 22 acres
Mass movement index: Low 10 acres Medium 0 acres High 71 acres Very High 10 acres
Cedar 0 Hemlock 91 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 91 acres that may require partial or full suspension (BMP 13.9)
This unit has very high mass movement index soils.
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 48 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 9 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A2 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2009

PLANNED HARVEST UNIT MAP

ACRES: 91 VOLUME: 2388 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-44 LANDNET INFO TOWNSHIP 62S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HE HELICOPTER



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2010</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>21</u>		Quad <u>KTND5NES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>614</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>CCS</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-46</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 7 acres VC5 14 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 21 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 1 acres High 20 acres Very High 0 acres
Cedar 0 Hemlock 7 Mixed 14 Percent Seen 0.00 Percent Unseen 1.00 Aspect South

SOILS

This unit has 21 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 12 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B4 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

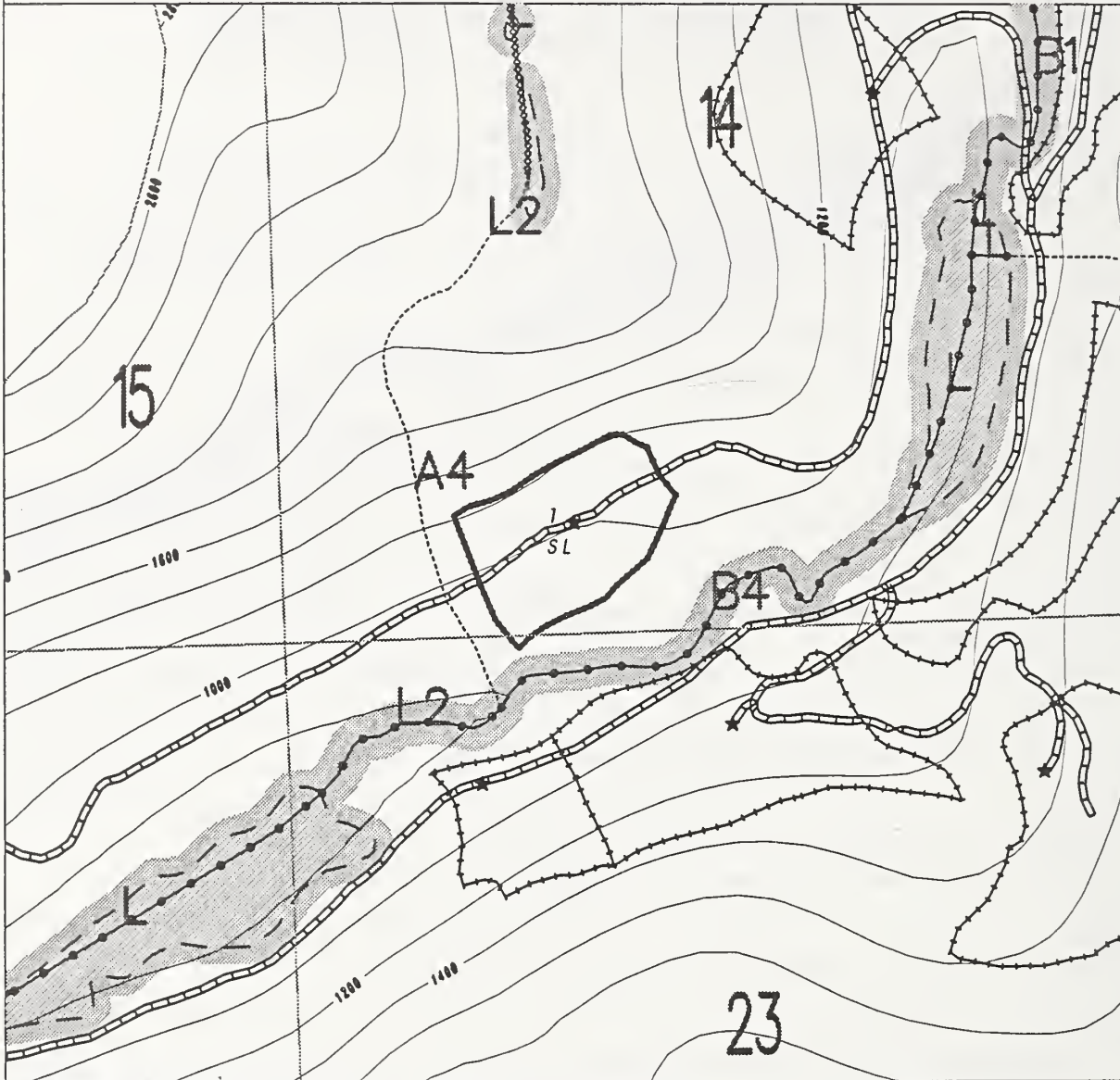
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2010

PLANNED HARVEST UNIT MAP

ACRES: 21 VOLUME: 614 MBP QUAD(s): KTND5 QUARTER QUAD(s): NES
 PHOTO NUM.: 1270-46 LANDNET INFO TOWNSHIP 62S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2011</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>39</u>		Quad <u>KTND5NES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1037</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>WHS</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>44-88</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 29 acres VC5 10 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 11 acres over 1500 ft. 28 acres
Mass movement index: Low 0 acres Medium 19 acres High 20 acres Very High 0 acres
Cedar 0 Hemlock 29 Mixed 10 Percent Seen 0.16 Percent Unseen 0.84 Aspect West

SOILS

This unit has 38 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 18 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

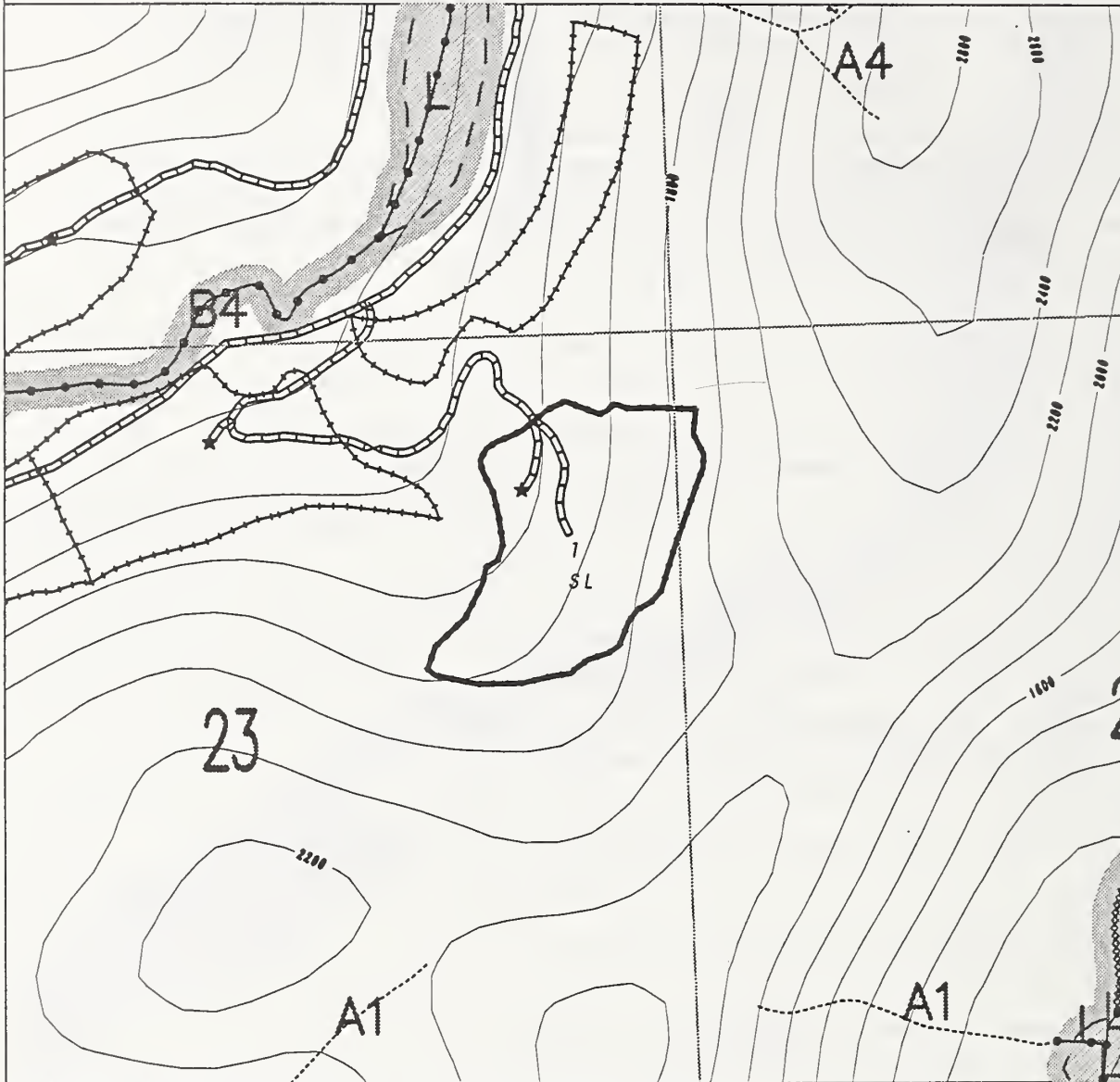
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2011

PLANNED HARVEST UNIT MAP

ACRES: 39 VOLUME: 1037 MBF QUAD(°): KTN05 QUARTER QUAD(°): NBS/SEN
 PHOTO NUM.: 44-88 LANDNET INFO TOWNSHIP 89S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN ALT
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

BAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2012</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>20</u>		Quad <u>KTND5NES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>563</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>44-88</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 10 acres VC5 10 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 5 acres 1200-1500 ft. 12 acres over 1500 ft. 3 acres
Mass movement index: Low 7 acres Medium 6 acres High 7 acres Very High 0 acres
Cedar 0 Hemlock 10 Mixed 10 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 20 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B4 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

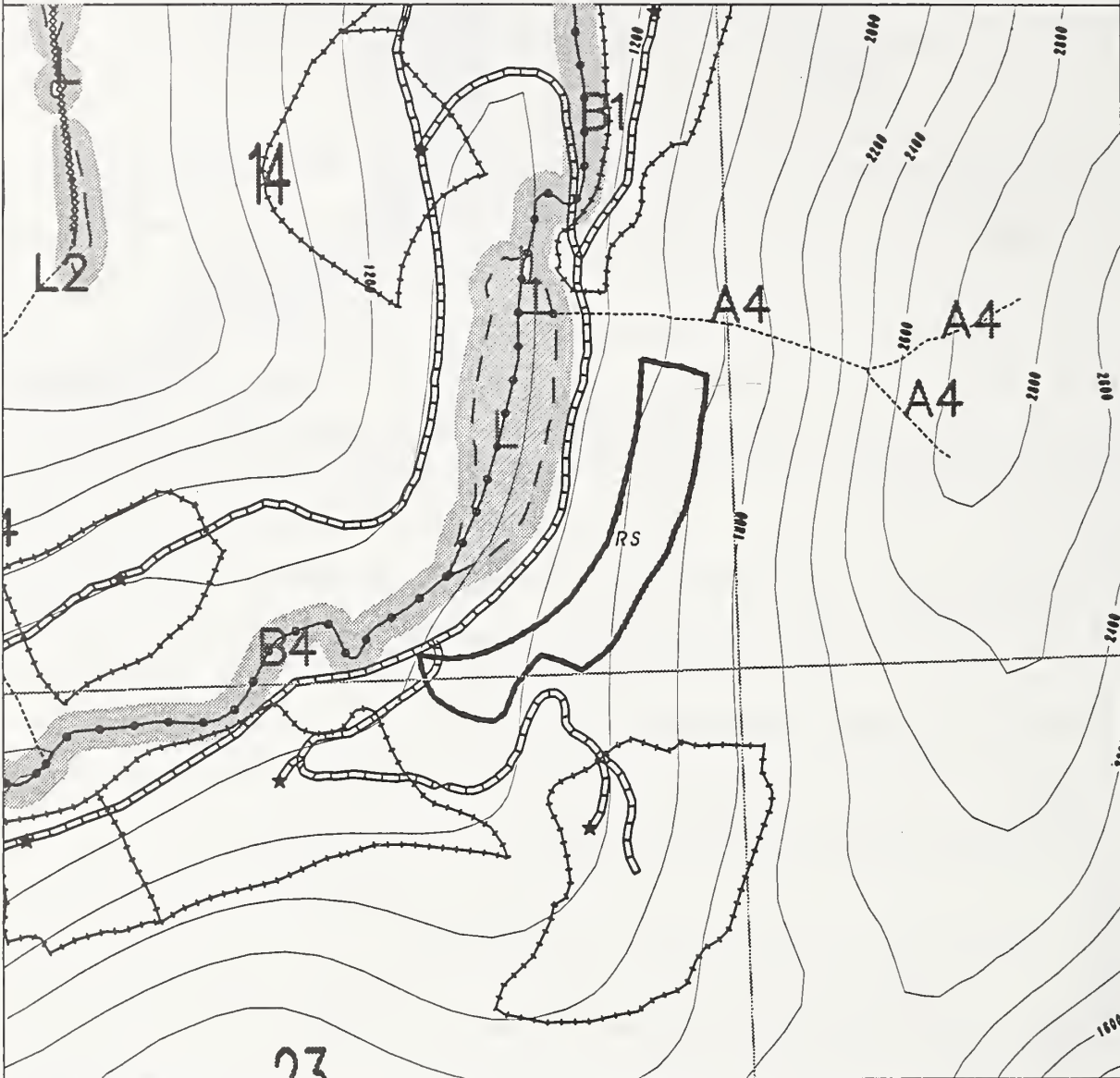
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2012

PLANNED HARVEST UNIT MAP

ACRES: 20 VOLUME: 563 MBP QUAD(s): KTND5 QUARTER QUAD(s): NES
 PHOTO NUM.: 44-88 LANDNET INFO TOWNSHIP 22S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



23
 SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 BACLE TREE (circle with cross)
 EXISTING CLEARCUT (hatched box)
 SALTWATER AND LAKES (dotted box)
 CLASS I & II STREAM BUFFER (solid grey box)



LOGGING SYSTEMS:

RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>2013</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>28</u>		Quad <u>KTND5NES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>732</u>		Mgmt Area <u>K32</u> VCU <u>7320</u>	Plant Series <u>SSR</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>44-88</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 23 acres VC5 5 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 12 acres 1200-1500 ft. 16 acres over 1500 ft. 0 acres
Mass movement index: Low 22 acres Medium 0 acres High 6 acres Very High 0 acres
Cedar 0 Hemlock 23 Mixed 5 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 12 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit is immediately adjacent to a B1 stream. No harvest within 100 feet and partial cut 100-200 feet of stream.
Immediately adjacent to a A2 class 2 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

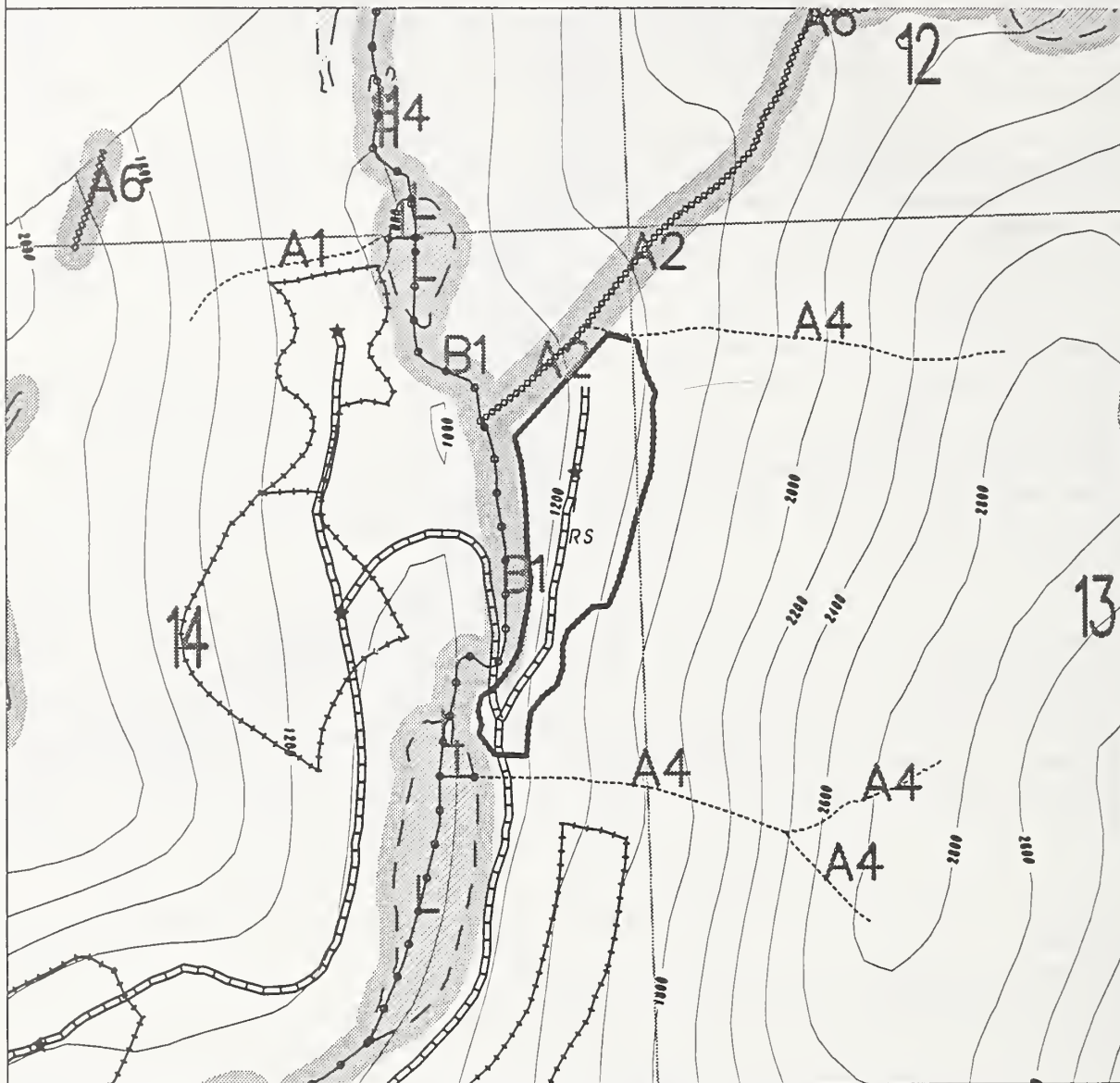
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7320 UNIT NUMBER: 2013

PLANNED HARVEST UNIT MAP

ACRES: 28 VOLUME: 732 MBF QUAD(s): KTND5 QUARTER QUAD(s): NES
 PHOTO NUM.: 44-88 LANDNET INFO TOWNSHIP 89S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUPPER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3001</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>20</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>602</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>NME</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 4 acres VC5 16 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 11 acres over 1500 ft. 9 acres
Mass movement index: Low 17 acres Medium 0 acres High 3 acres Very High 0 acres
Cedar 0 Hemlock 20 Mixed 0 Percent Seen 0.78 Percent Unseen 0.22 Aspect South

SOILS

This unit has 20 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 6 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 11 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the SHRIMP BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

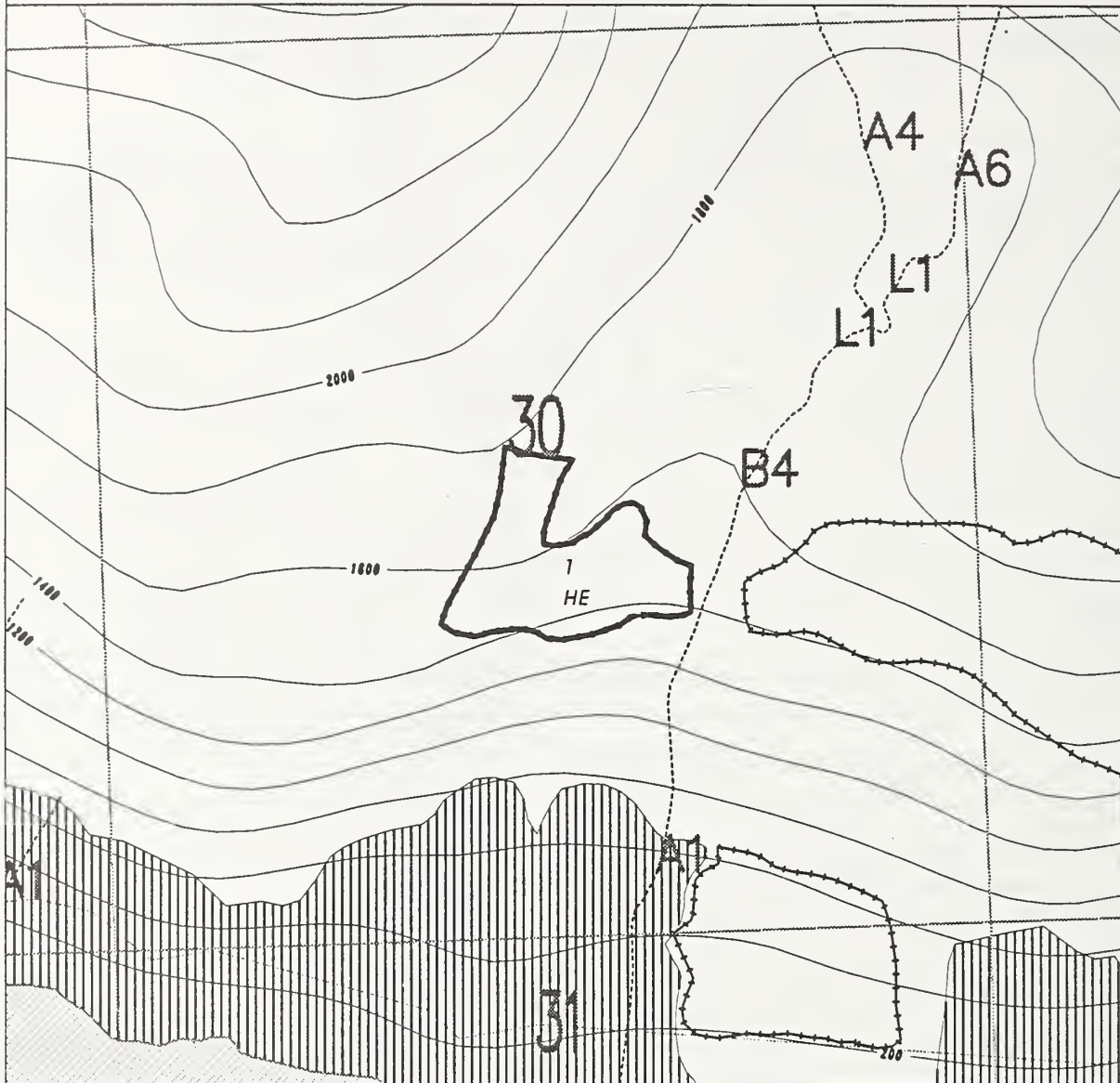
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3001

PLANNED HARVEST UNIT MAP

ACRES: 20 VOLUME: 602 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 89S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3002</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>27</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>847</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>CCS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Shelter wood</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 27 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 27 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 27 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 27 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 27 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 15 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the SHRIMP BAY viewshed, approximately a minimum 1/4 mile from shoreline.
Additional design layout by a landscape architect may be required to meet the adopted VQO.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3002

PLANNED HARVEST UNIT MAP

ACRES: 27 VOLUME: 847 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 69S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

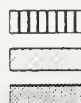
LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3003</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>106</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>3101</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHC</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-5</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 35 acres VC5 71 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 13 acres 1200-1500 ft. 47 acres over 1500 ft. 46 acres
Mass movement index: Low 35 acres Medium 62 acres High 9 acres Very High 0 acres
Cedar 0 Hemlock 71 Mixed 35 Percent Seen 0.99 Percent Unseen 0.01 Aspect South

SOILS

This unit has 106 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 10 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 24 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across. Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Maintain diversity within unit by leaving 1-5 acre-sized islands of green trees at a rate of 1 acre of island for every 20 acre harvested. Leave islands must be compatible with logging system and safe working conditions.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the SHRIMP BAY viewshed, approximately a minimum 1/4 mile from shoreline.
Additional design layout by a landscape architect may be required to meet the adopted VQO.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

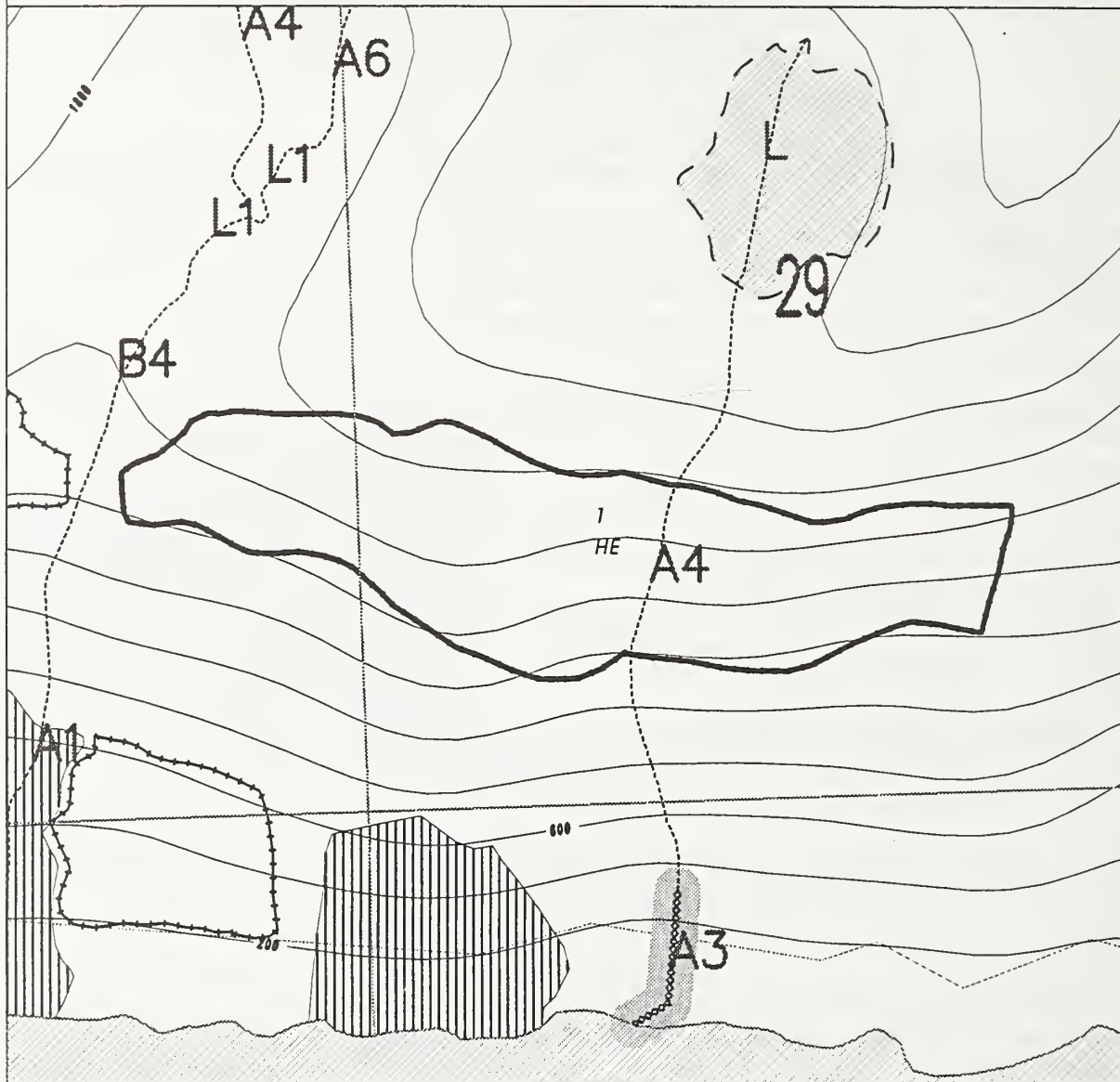
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3003

PLANNED HARVEST UNIT MAP

ACRES: 108 VOLUME: 3101 MBF QUAD(s): KTMD5 QUARTER QUAD(s): SEN/SWN
 PHOTO NUM.: 1279-5 LANDNET INFO TOWNSHIP 62S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3004</u>	No. Settings <u>7</u>	Alternatives considered <u>2</u>	VQO <u>M</u>
Planned acres <u>145</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>4475</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>HL SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-42</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 22 acres VC5 116 acres VC6 7 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 125 acres 800-1200 ft. 20 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 144 acres Very High 1 acres
Cedar 0 Hemlock 145 Mixed 0 Percent Seen 0.27 Percent Unseen 0.73 Aspect West

SOILS

This unit has 144 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 83 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.64 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B3 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Maintain diversity within unit by leaving 1-5 acre-sized islands of green trees at a rate of 1 acre of island for every 20 acre harvested. Leave islands must be compatible with logging system and safe working conditions.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

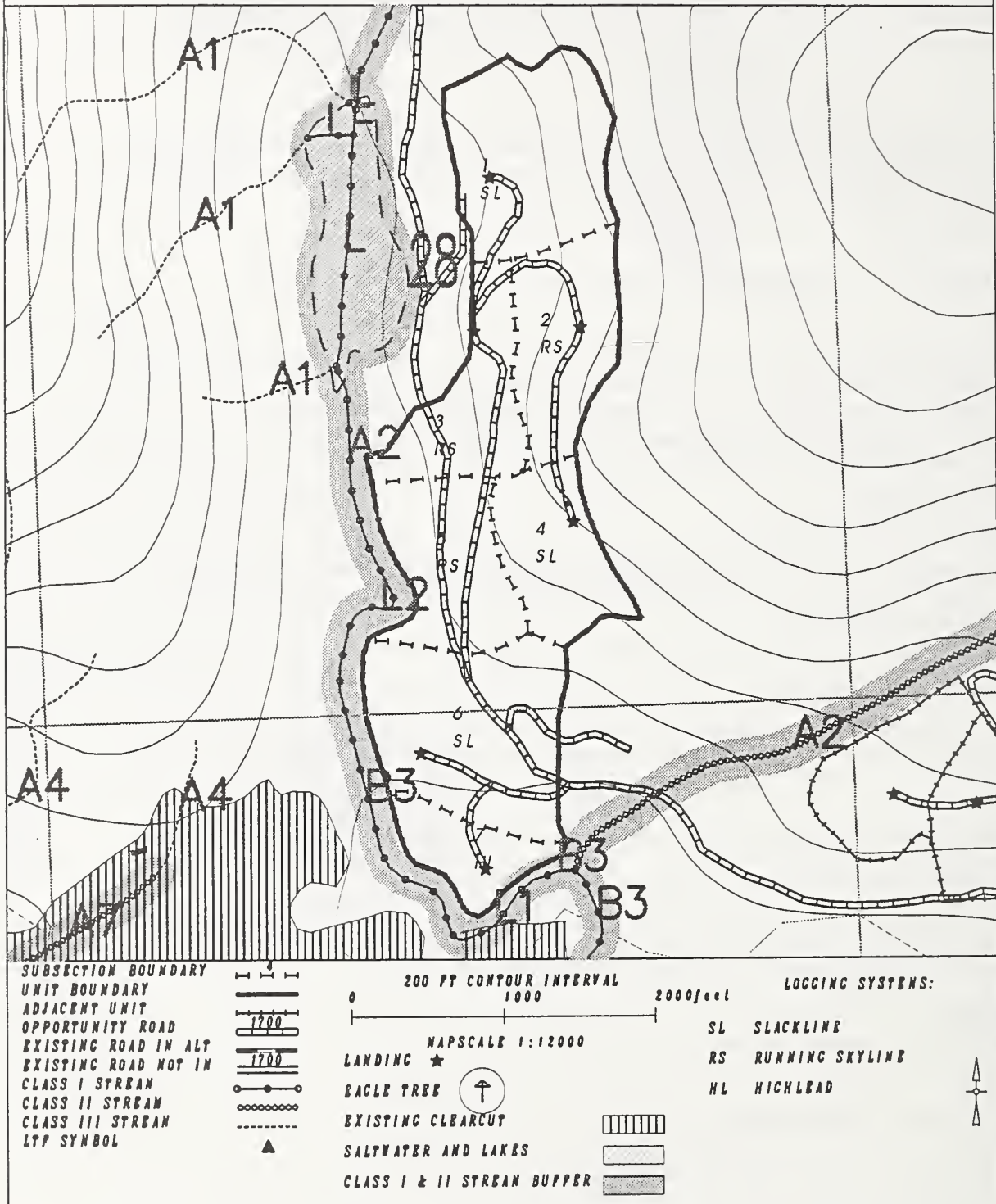
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3004

PLANNED HARVEST UNIT MAP

ACRES: 145 VOLUME: 4475 NBP QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-43 LANDNET INFO TOWNSHIP 89S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3005</u>	No. Settings <u>2</u>	Alternatives considered <u>2 3 6</u>	VQO <u>PR</u>
Planned acres <u>32</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>798</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-42</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 32 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 32 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 32 acres Very High 0 acres
Cedar 0 Hemlock 32 Mixed 0 Percent Seen 0.44 Percent Unseen 0.56 Aspect South

SOILS

This unit has 32 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 32 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.52 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit
in accordance with AHMU Handbook.
Immediately adjacent to a A2 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Harvest operations restricted to April 1 to October 31 to protect trumpeter swans on Margaret, Orchard,
Lakes, Klu Bay and the head of Traitors Cove.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the KLU BAY viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

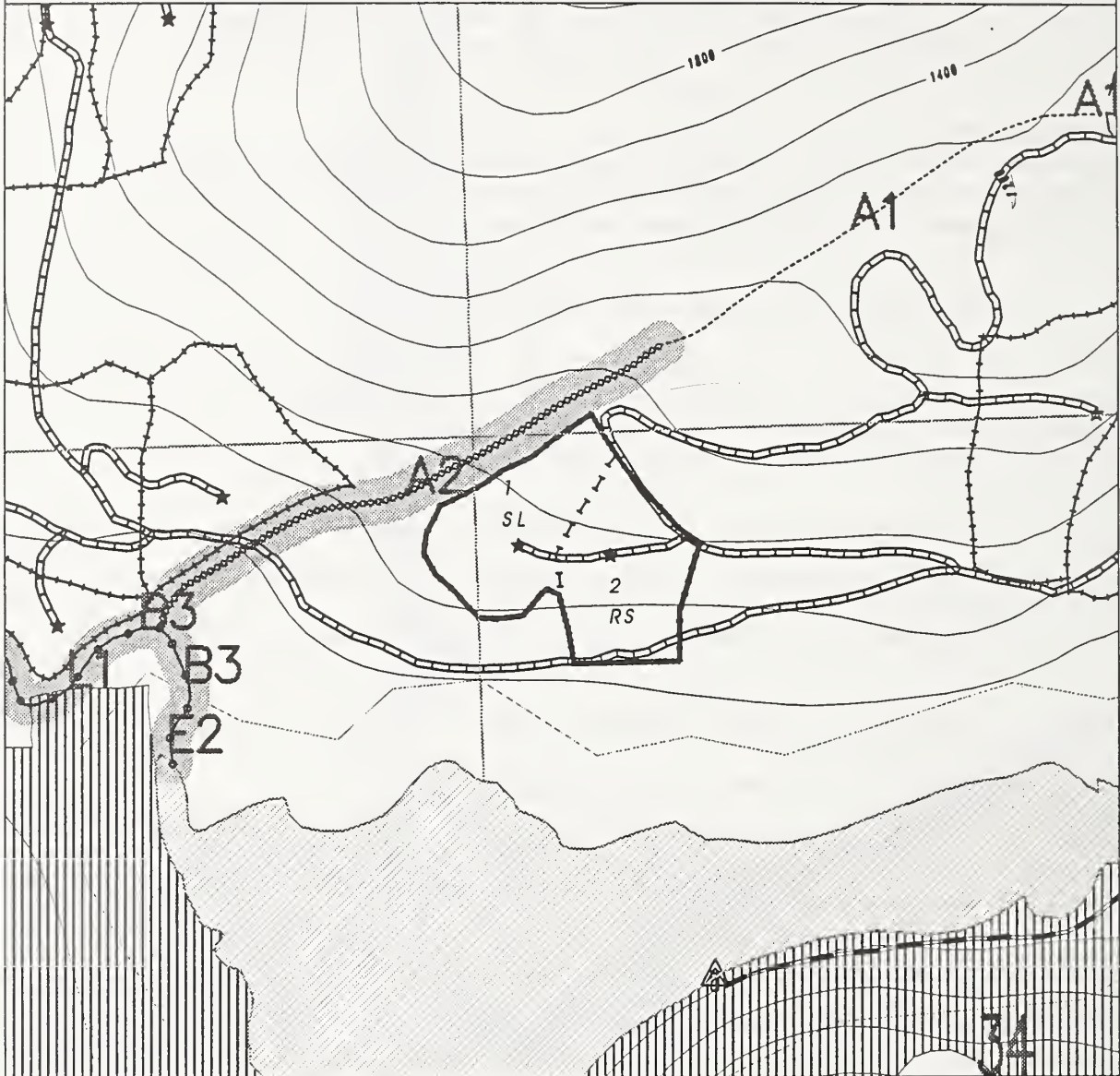
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3005

PLANNED HARVEST UNIT MAP

ACRES: 32 VOLUME: 798 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-42 LANDNET INFO TOWNSHIP 89S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design at the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE

RS RUNNING SKYLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3006</u>	No. Settings <u>3</u>	Alternatives considered <u>2 3 4 6</u>	VQO <u>PR</u>
Planned acres <u>119</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>3241</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-50</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 77 acres VC5 42 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 89 acres 800-1200 ft. 30 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 0 acres High 117 acres Very High 0 acres
Cedar 0 Hemlock 111 Mixed 8 Percent Seen 0.98 Percent Unseen 0.02 Aspect East

SOILS

This unit has 119 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 116 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.60 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 7 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Harvest operations restricted to April 1 to October 31 to protect trumpeter swans on Margaret, Orchard, Lakes, Klu Bay and the head of Traitors Cove.
Maintain diversity within unit by leaving 1-5 acre-sized islands of green trees at a rate of 1 acre of island for every 20 acre harvested. Leave islands must be compatible with logging system and safe working conditions.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

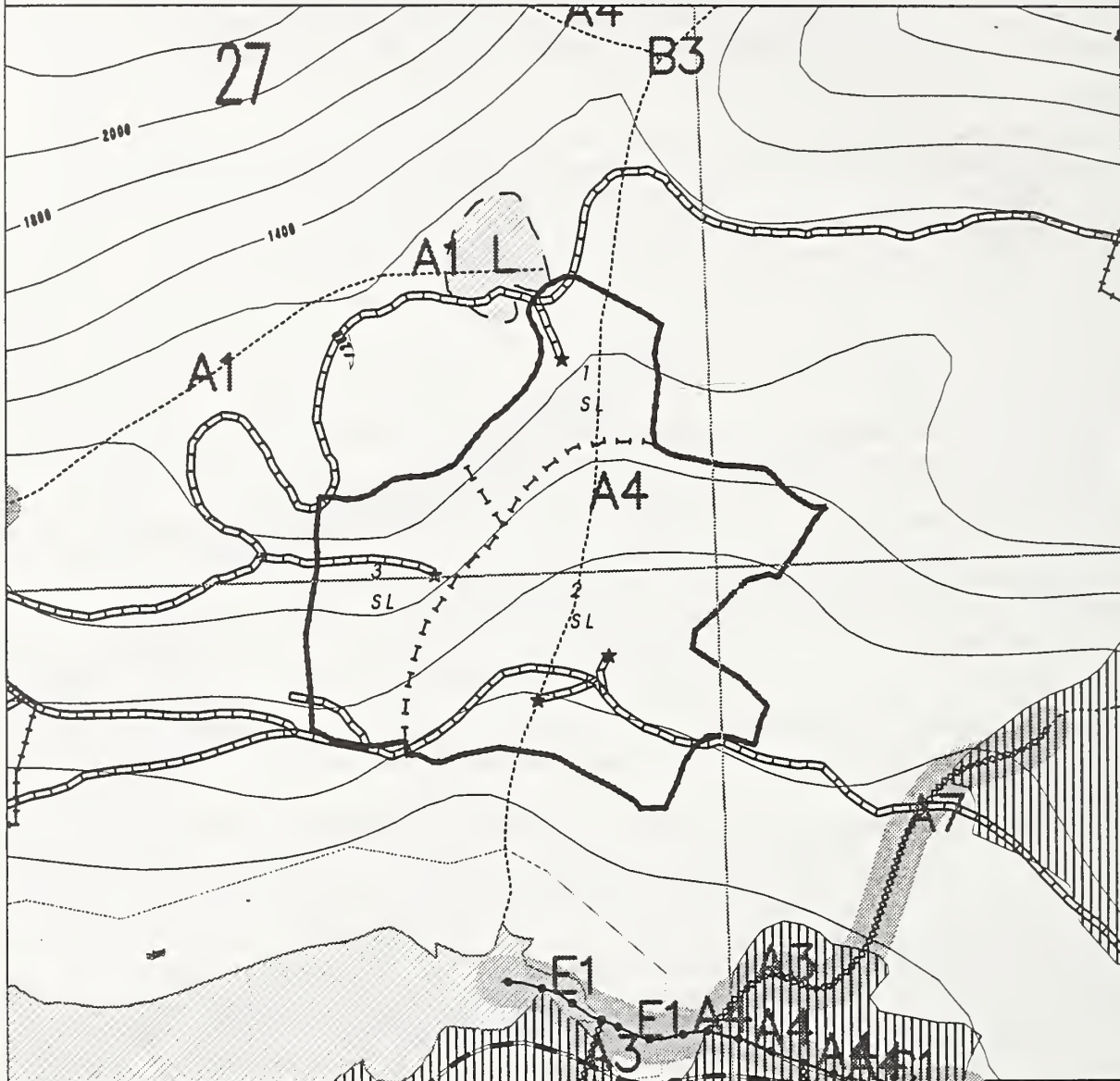
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3006

PLANNED HARVEST UNIT MAP

ACRES: 119 VOLUME: 3241 MBP QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-50 LANDNET INFO TOWNSHIP R2S RANGE R1E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

NAPSCALE 1:12000

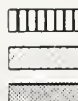
LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3007</u>	No. Settings <u>4</u>	Alternatives considered <u>2 4 5</u>	VQO <u>M</u>
Planned acres <u>91</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2470</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>CMM</u>
Logging methods <u>HL SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-92</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 60 acres VC5 31 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 57 acres 1200-1500 ft. 29 acres over 1500 ft. 4 acres
Mass movement index: Low 16 acres Medium 75 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 91 Mixed 0 Percent Seen 0.04 Percent Unseen 0.96 Aspect South

SOILS

This unit has 90 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 78 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 8 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.06 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

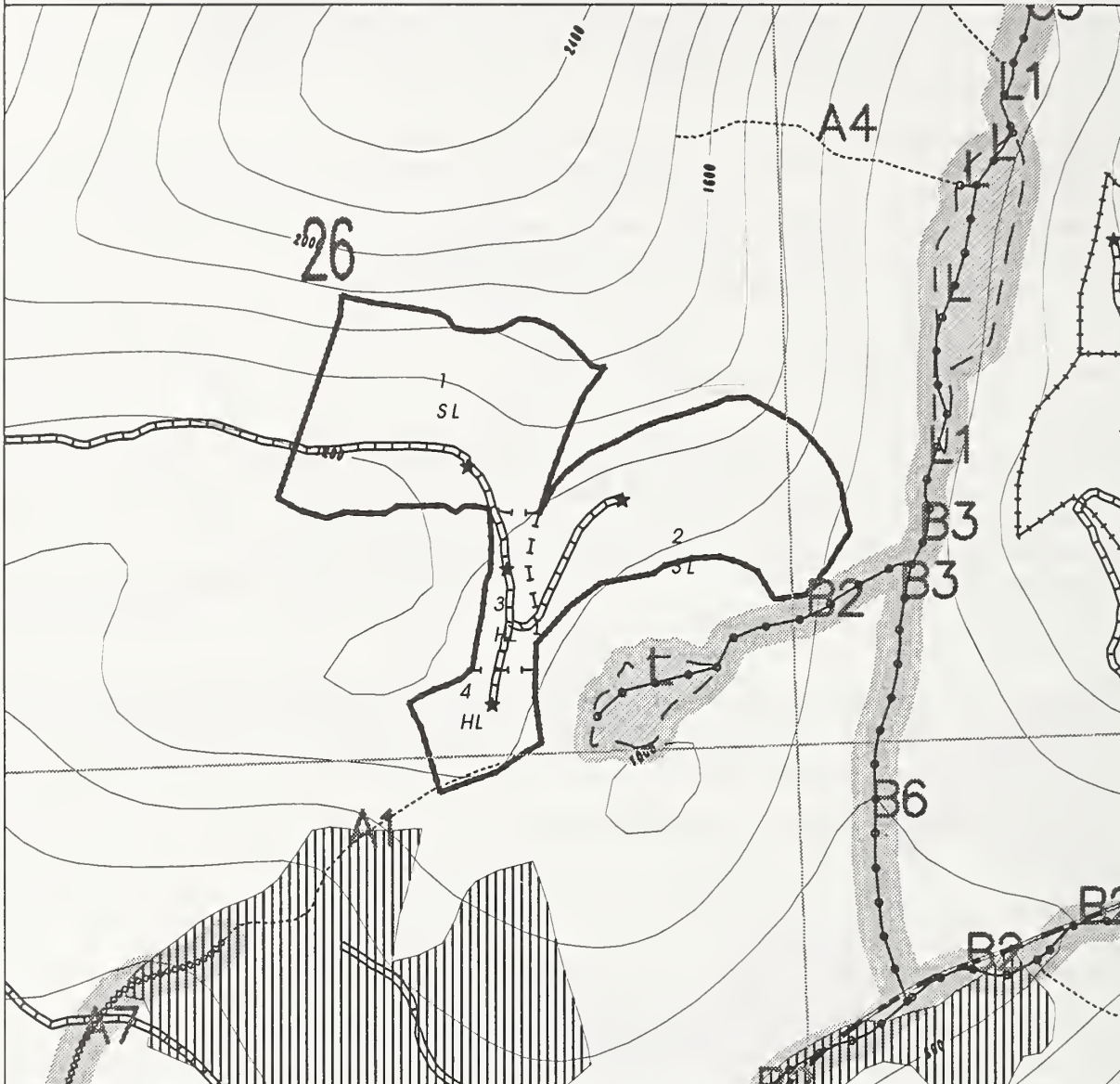
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3007

PLANNED HARVEST UNIT MAP

ACRES: 91 VOLUME: 2470 MBP QUAO(s): KTND5 QUARTER QUAO(s): SEN
 PHOTO NUM.: 1279-92 LANDNET INFO TOWNSHIP 89S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design at the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



0 200 FT CONTOUR INTERVAL 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUPPER



LOGGING SYSTEMS:

SL SLACKLINE
 HL HIGHLEAD

October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3008</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>49</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1249</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>CMM</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-92</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 45 acres VC5 4 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 32 acres 1200-1500 ft. 17 acres over 1500 ft. 0 acres
Mass movement index: Low 13 acres Medium 7 acres High 29 acres Very High 0 acres
Cedar 0 Hemlock 49 Mixed 0 Percent Seen 0.34 Percent Unseen 0.66 Aspect West

SOILS

This unit has 49 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 6 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 1.21 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 2 have timing restrictions.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

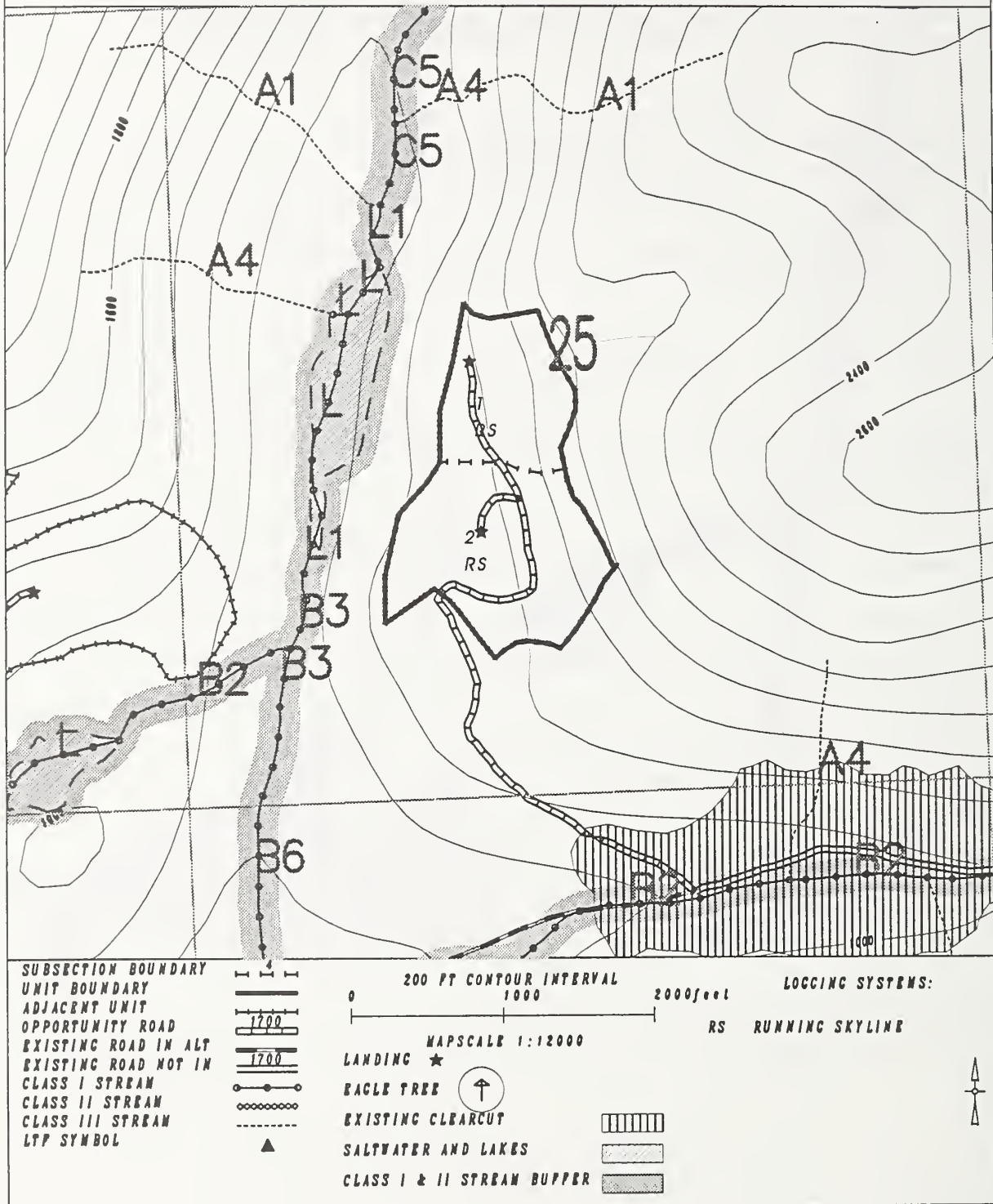
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3008

PLANNED HARVEST UNIT MAP

ACRES: 49 VOLUME: 1249 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-92 LANDNET INFO TOWNSHIP 69S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3009</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>M</u>
Planned acres <u>24</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>917</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-90</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 7 acres VC6 17 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 16 acres 1200-1500 ft. 8 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 24 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 24 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 24 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 23 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction on 0.71 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 5 streams which have fish passage requirements, none of which have timing restrictions.

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

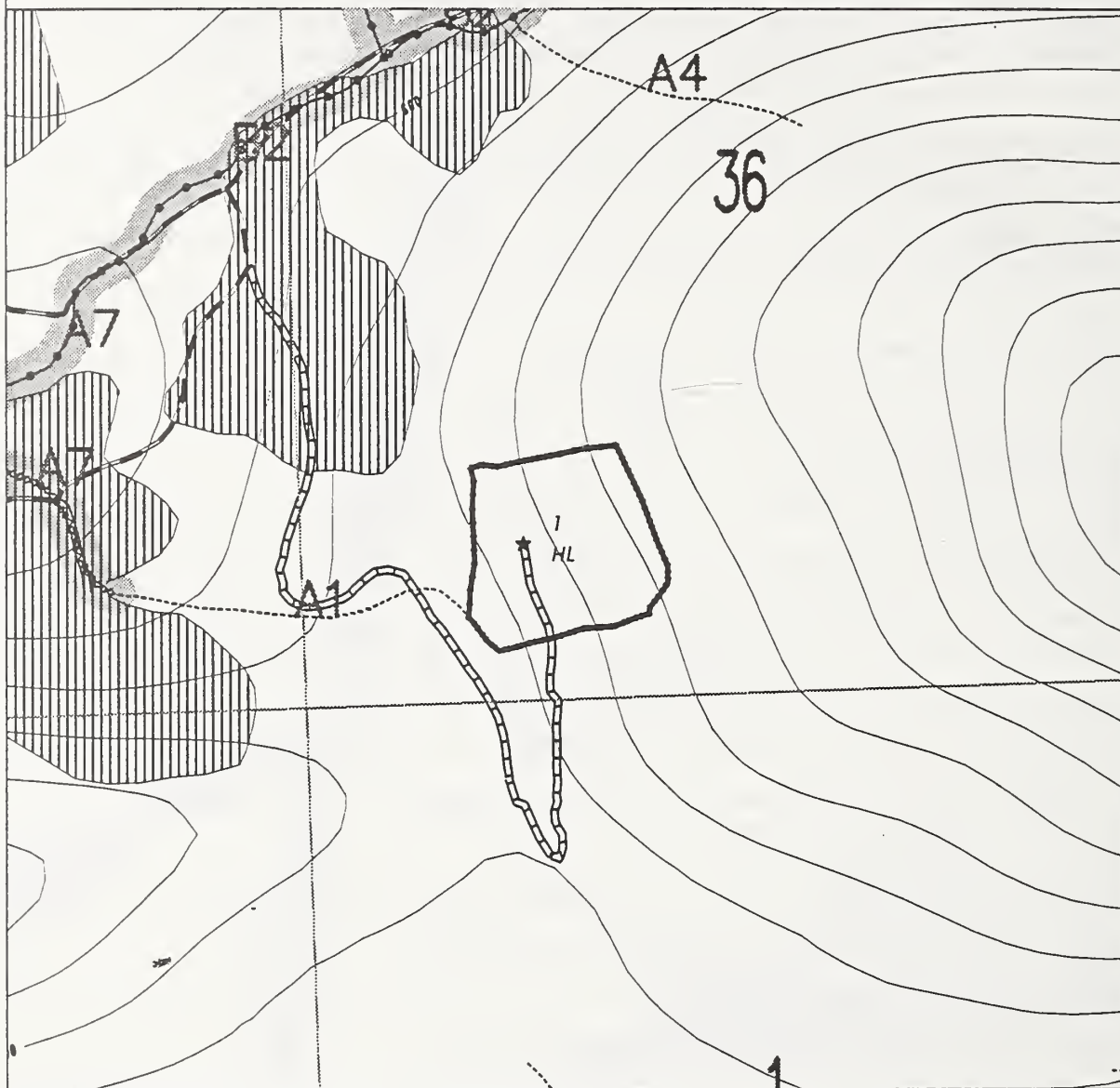
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3009

PLANNED HARVEST UNIT MAP

ACRES: 24 VOLUME: 917 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-90 LANDNET INFO TOWNSHIP R2S RANGE R1E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



October 10, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3010</u>	No. Settings <u>4</u>	Alternatives considered <u>2 4 6</u>	VQO <u>PR</u>
Planned acres <u>50</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1504</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-52</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 10 acres VC5 40 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 11 acres 1200-1500 ft. 33 acres over 1500 ft. 6 acres
Mass movement index: Low 4 acres Medium 0 acres High 32 acres Very High 14 acres
Cedar 0 Hemlock 50 Mixed 0 Percent Seen 0.98 Percent Unseen 0.02 Aspect North

SOILS

This unit has 50 acres that may require partial or full suspension (BMP 13.9)
This unit has very high mass movement index soils.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 8 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 44 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Harvest operations restricted to April 1 to October 31 to protect trumpeter swans on Margaret, Orchard, Lakes, Klu Bay and the head of Traitors Cove.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3010

PLANNED HARVEST UNIT MAP

ACRES: 50 VOLUME: 1504 MBF QUAD(s): KTHDS QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-52 LANDNET INFO TOWNSHIP 89S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3011</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>PR</u>
Planned acres <u>46</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1341</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHC</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-39</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 16 acres VC5 30 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 46 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 15 acres Medium 21 acres High 10 acres Very High 0 acres
Cedar 0 Hemlock 46 Mixed 0 Percent Seen 0.21 Percent Unseen 0.79 Aspect South

SOILS

This unit has 25 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 18 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a L1 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.09 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit is immediately adjacent to a B1 stream. No harvest within 100 feet and partial cut 100-200 feet of stream. Immediately adjacent to a L1 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the SHRIMP BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

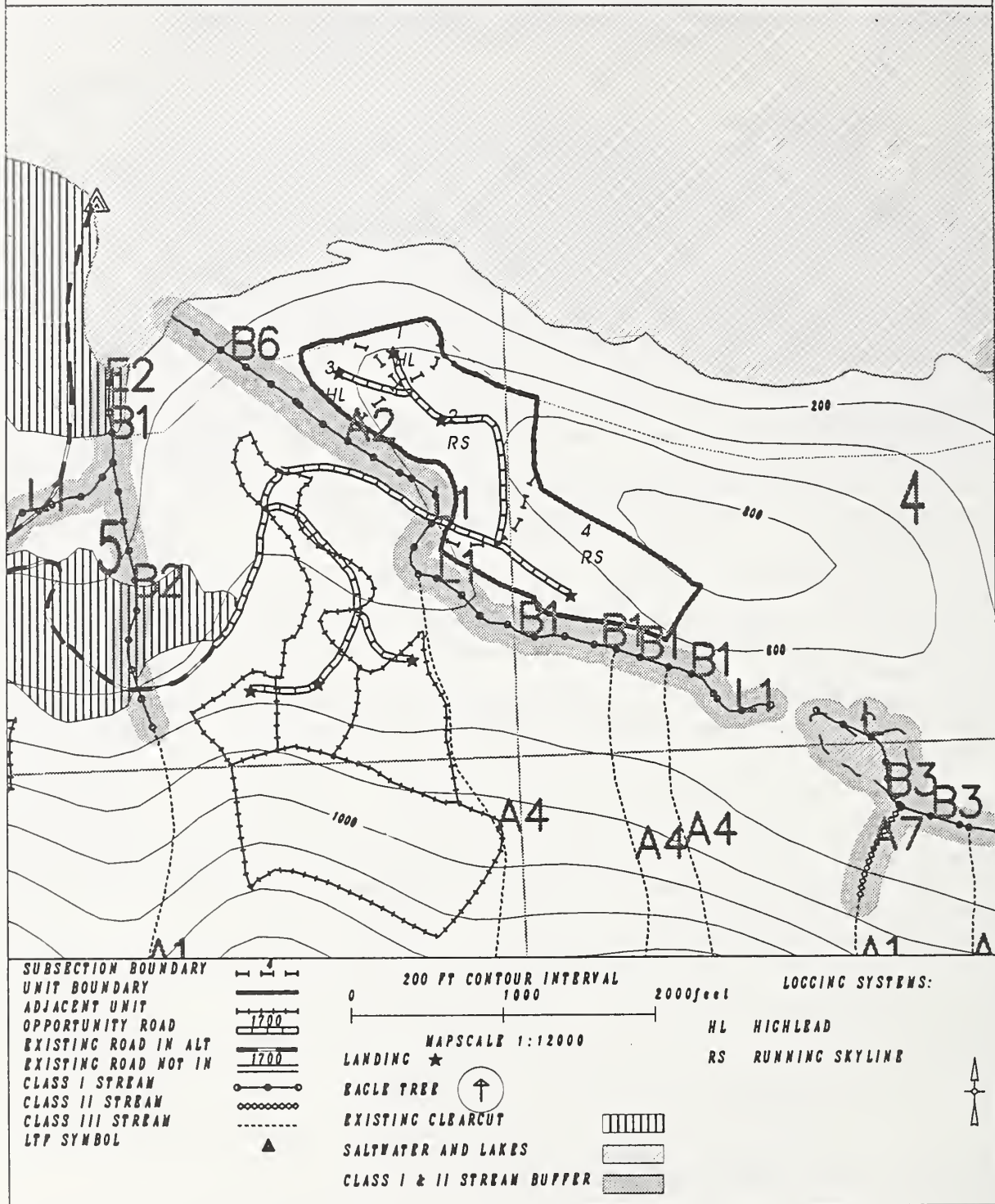
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3011

PLANNED HARVEST UNIT MAP

ACRES: 46 VOLUME: 1341 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-40 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3012</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u>	VQO <u>M</u>
Planned acres <u>64</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1898</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>NFS</u>
Logging methods <u>RS</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-11</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 17 acres VC5 47 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 26 acres 800-1200 ft. 25 acres 1200-1500 ft. 13 acres over 1500 ft. 0 acres
Mass movement index: Low 4 acres Medium 33 acres High 27 acres Very High 0 acres
Cedar 0 Hemlock 61 Mixed 3 Percent Seen 0.60 Percent Unseen 0.40 Aspect North

SOILS

This unit has 31 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 9 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.18 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Harvest operations restricted to April 1 to October 31 to protect trumpeter swans on Margaret, Orchard, Lakes, Klu Bay and the head of Traitors Cove.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the SHRIMP BAY viewshed,
approximately a minimum 1/4 mile from shoreline.
This unit will need boundary modification by a landscape architect to meet the adopted VQO for this project.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

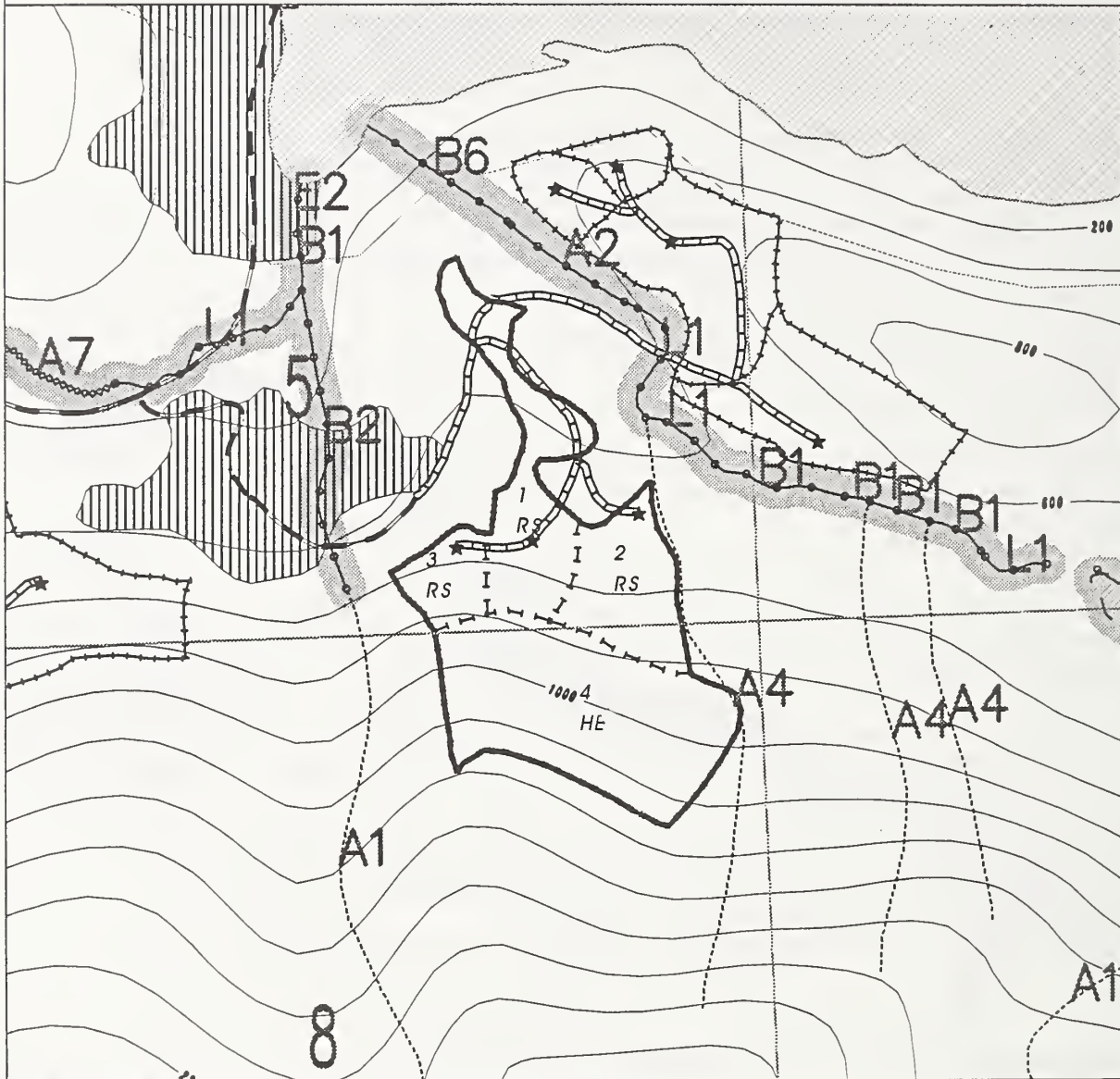
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3012

PLANNED HARVEST UNIT MAP

ACRES: 64 VOLUME: 1898 MBP QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-11 LANDNET INFO TOWNSHIP 7QS RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT (rectangle with vertical lines)
 SALTWATER AND LAKES (horizontal wavy lines)
 CLASS I & II STREAM BUFFER (shaded rectangle)

LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HB HELICOPTER



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3013</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>M</u>
Planned acres <u>27</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>847</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHM</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 27 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 18 acres 800-1200 ft. 9 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 24 acres High 2 acres Very High 0 acres
Cedar 0 Hemlock 27 Mixed 0 Percent Seen 0.25 Percent Unseen 0.75 Aspect North

SOILS

This unit has 3 acres that may require partial or full suspension (BMP 13.9)

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction on 0.59 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the SHRIMP BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

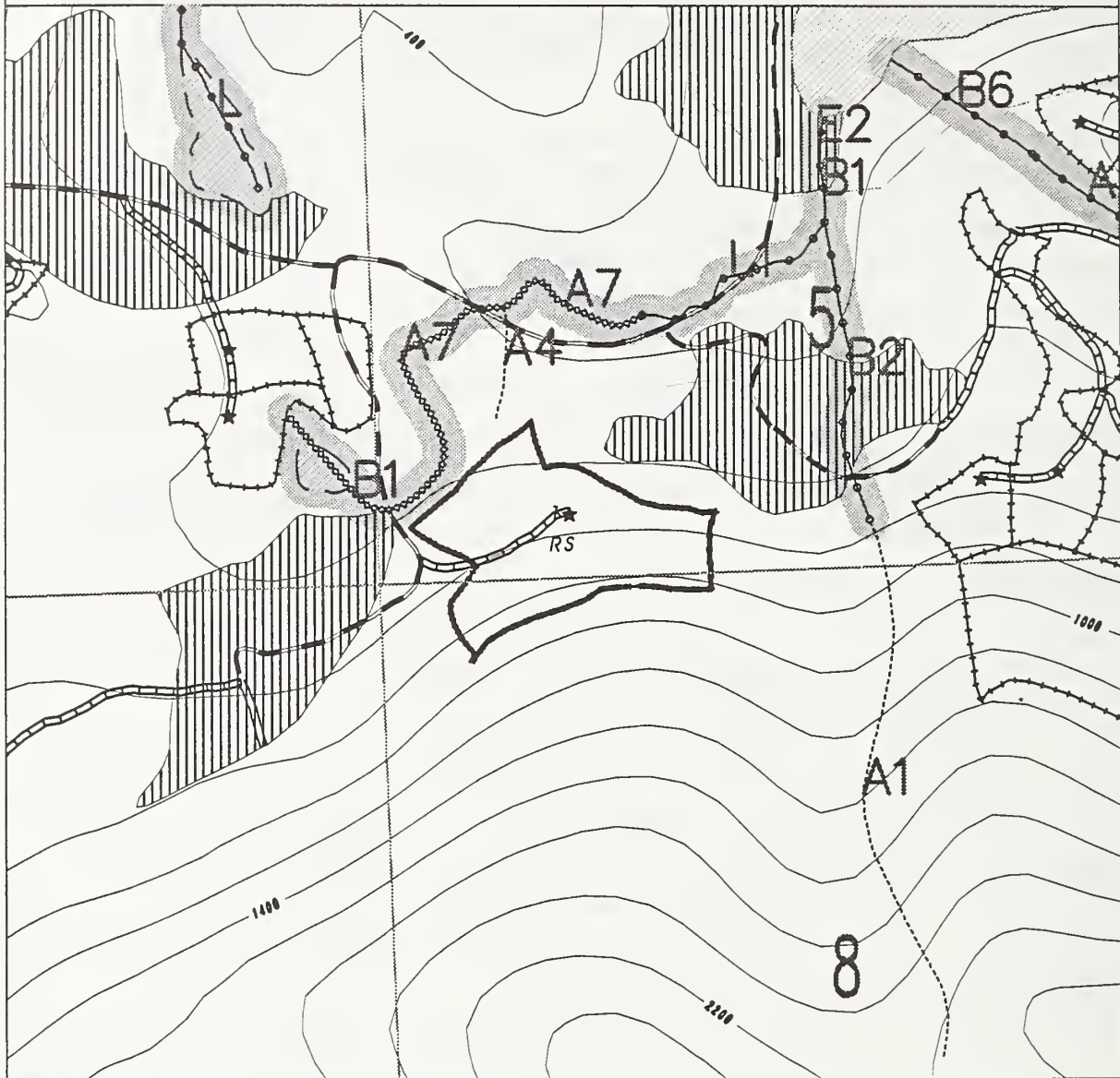
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7339 UNIT NUMBER: 3013

PLANNED HARVEST UNIT MAP

ACRES: 27 VOLUME: 847 MBP QUAD(s): KTND5 QUARTER QUAD(s): SEN/SWN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 20S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3014</u>	No. Settings <u>3</u>	Alternatives considered <u>2 3 6</u>	VQO <u>MM</u>
Planned acres <u>18</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>482</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>CMM</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 16 acres VC5 0 acres VC6 2 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 18 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 12 acres Medium 6 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 16 Mixed 2 Percent Seen 0.00 Percent Unseen 1.00 Aspect East

SOILS

This unit has 12 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 6 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 2 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit is immediately adjacent to a B1 stream. No harvest within 100 feet and partial cut 100-200 feet of stream.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

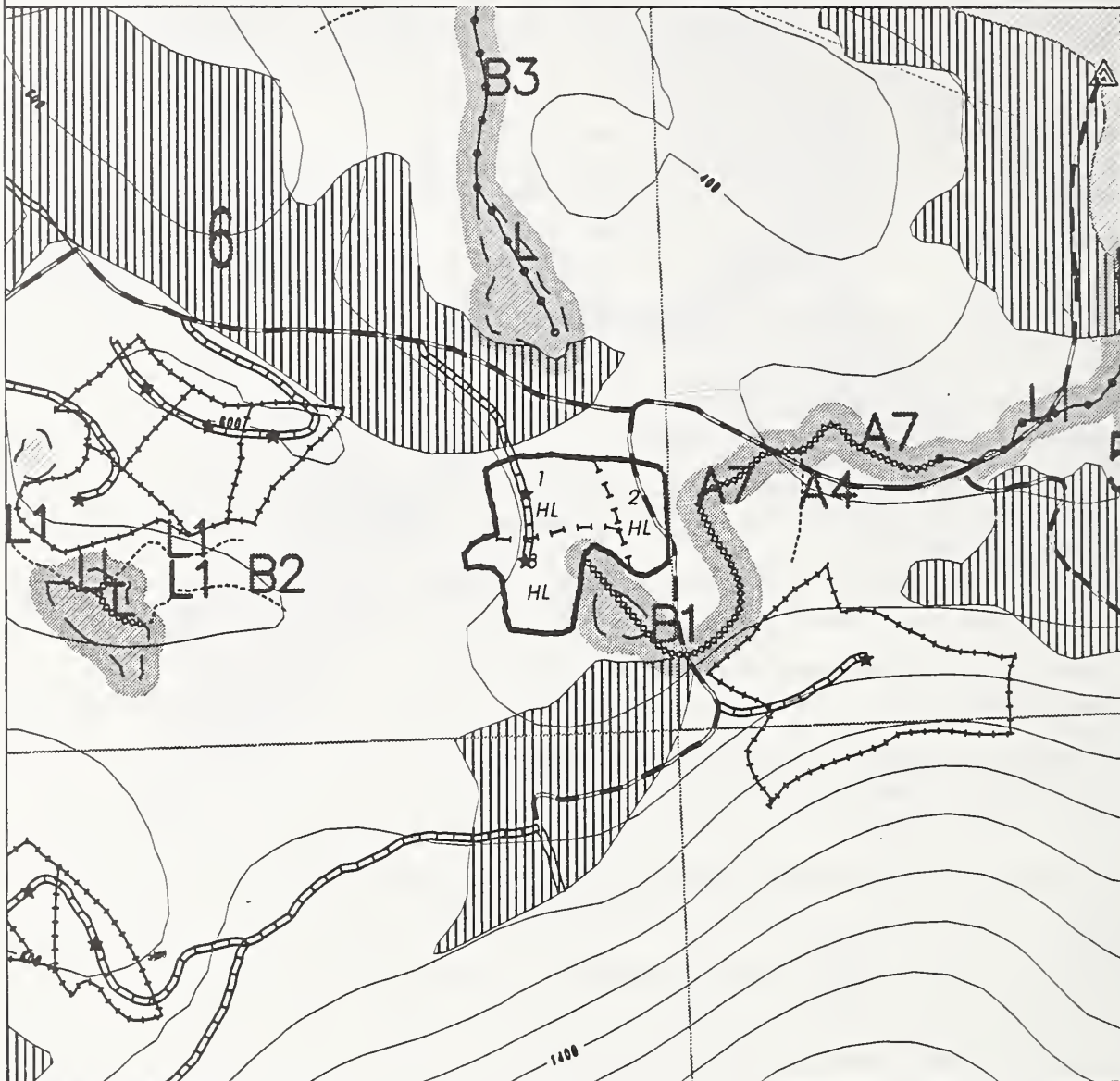
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3014

PLANNED HARVEST UNIT MAP

ACRES: 18 VOLUME: 482 MBP QUAD(s): KTHDS QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

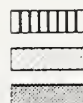
LANDING ★

BACLE TREE (upward arrow symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3015</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>27</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1042</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHM</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 7 acres VC6 20 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 27 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 3 acres Medium 24 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 7 Mixed 20 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 4 acres that may require partial or full suspension (BMP 13.9)

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction on 0.59 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

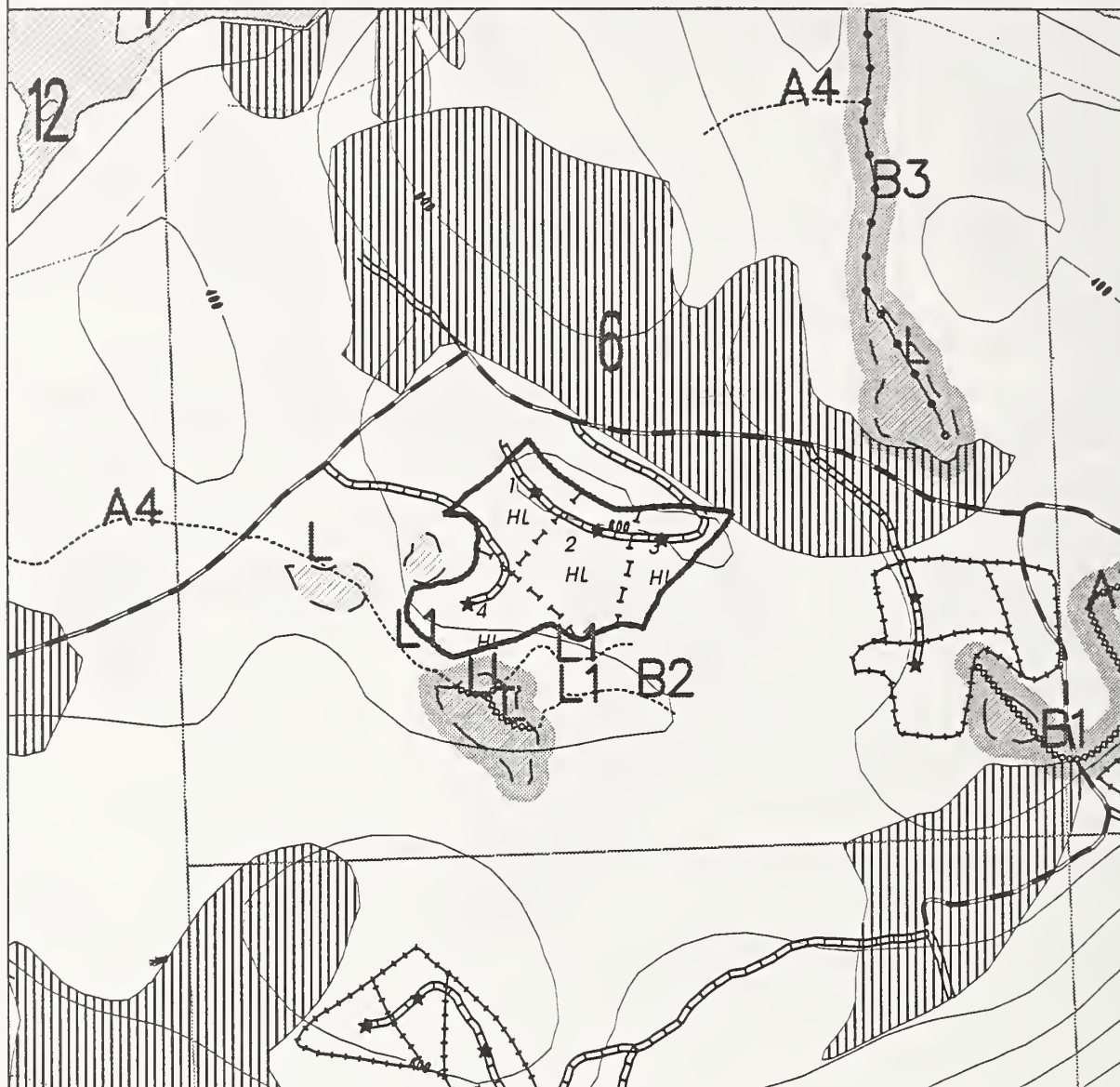
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3015

PLANNED HARVEST UNIT MAP

ACRES: 27 VOLUME: 1042 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3016</u>	No. Settings <u>3</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>MM</u>
Planned acres <u>20</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>822</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHM</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 0 acres VC6 20 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 20 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 19 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 20 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 2 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 2 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Harvest operations restricted to April 1 to October 31 to protect trumpeter swans on Margaret, Orchard, Lakes, Klu Bay and the head of Traitors Cove.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

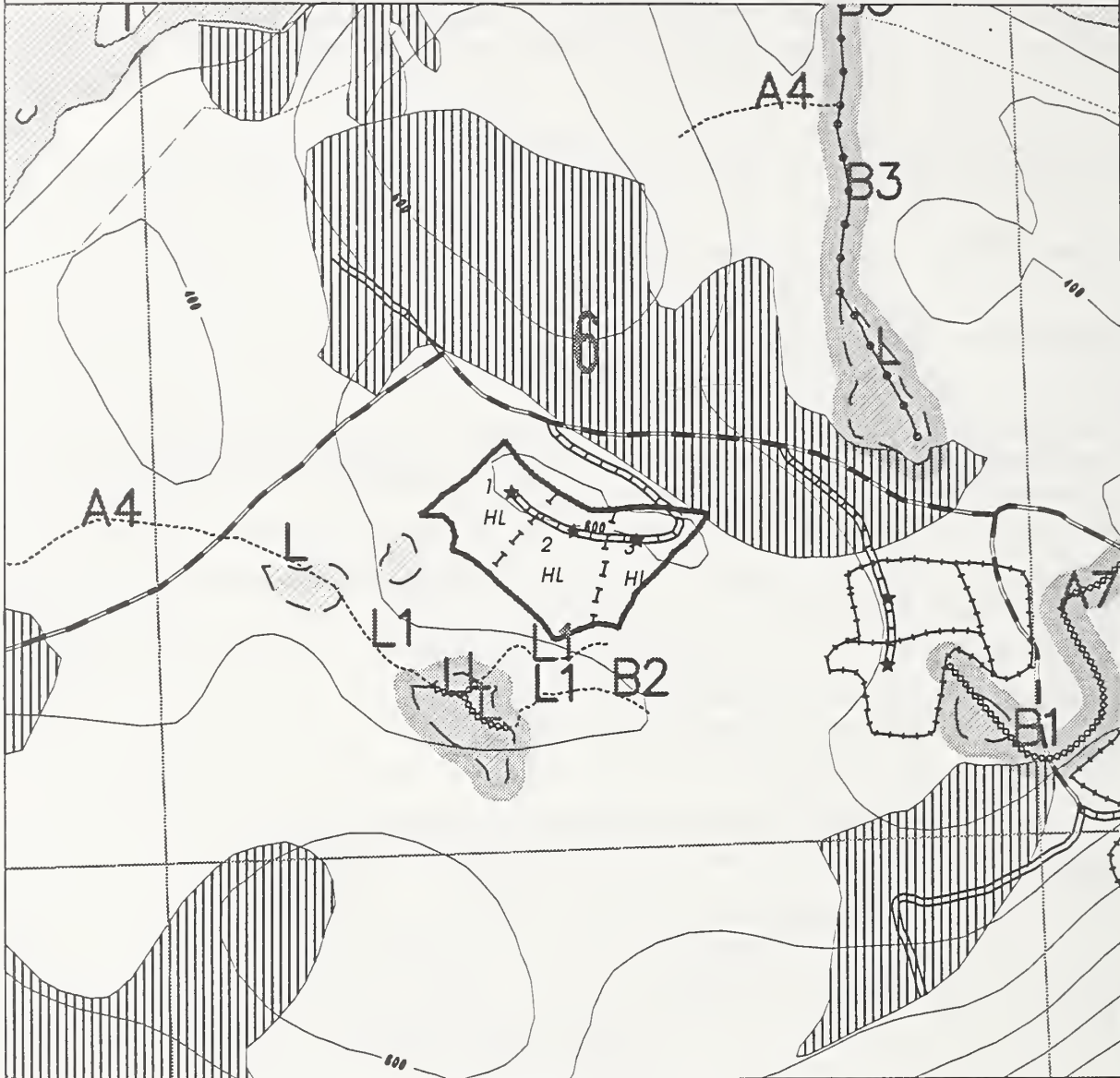
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3016

PLANNED HARVEST UNIT MAP

ACRES: 20 VOLUME: 822 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

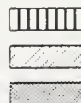
LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3017</u>	No. Settings <u>2</u>	Alternatives considered <u>3</u>	VQO <u>MM</u>
Planned acres <u>38</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1192</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHM</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 38 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 26 acres 800-1200 ft. 12 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 24 acres High 13 acres Very High 0 acres
Cedar 0 Hemlock 38 Mixed 0 Percent Seen 0.26 Percent Unseen 0.74 Aspect North

SOILS

This unit has 13 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 9 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

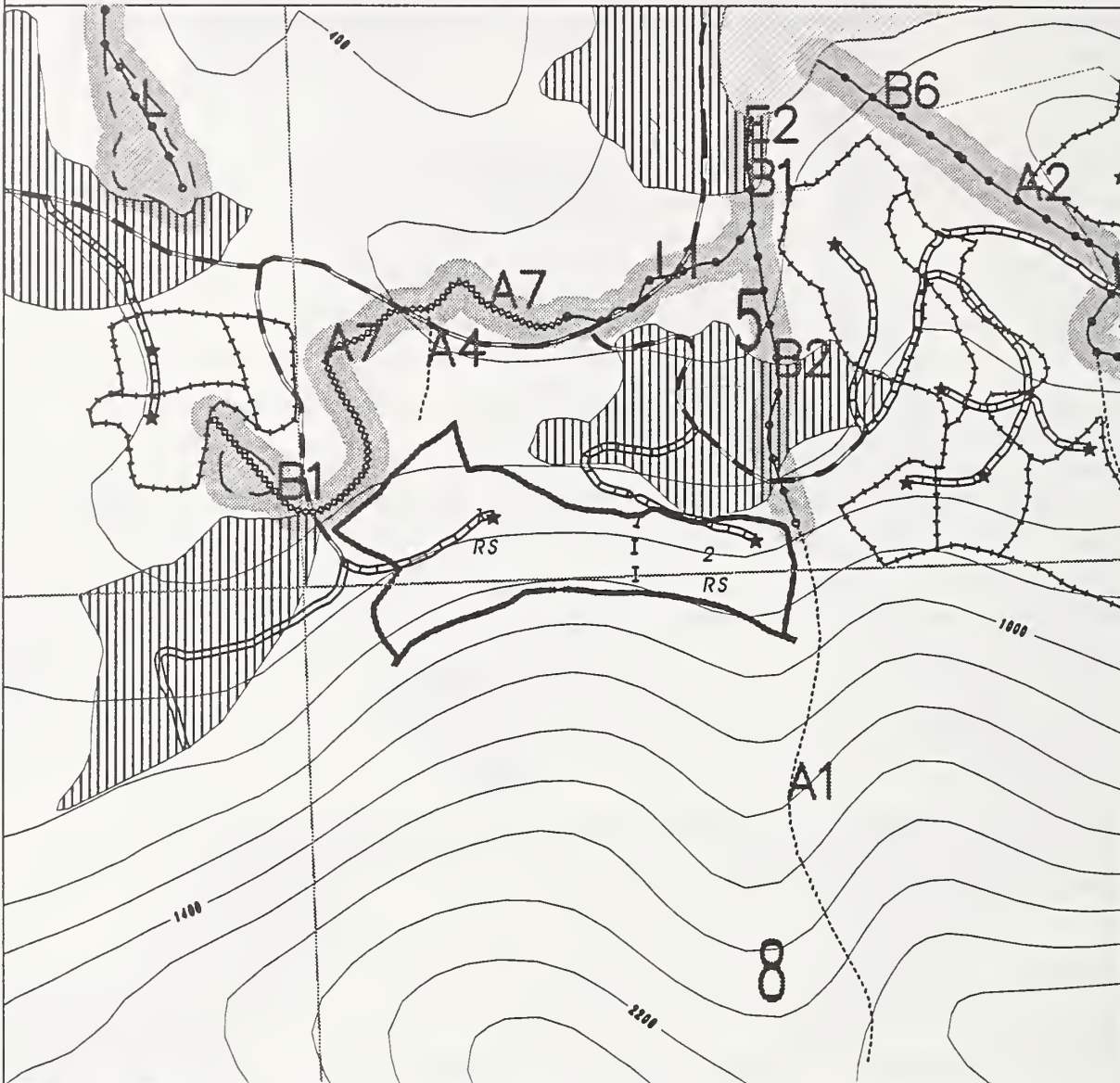
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3017

PLANNED HARVEST UNIT MAP

ACRES: 38 VOLUME: 1192 MBP QUAD(s): KTNDS QUARTER QUAD(s): SEN/SWN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LPP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (symbol)

EXISTING CLEARCUT (symbol)

SALTWATER AND LAKES (symbol)

CLASS I & II STREAM BUFFER (symbol)

LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3018</u>	No. Settings <u>5</u>	Alternatives considered <u>3</u>	VQO <u>PR</u>
Planned acres <u>53</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1515</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>NFS</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-11</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 23 acres VC5 30 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 47 acres 800-1200 ft. 6 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 4 acres Medium 39 acres High 10 acres Very High 0 acres
Cedar 0 Hemlock 51 Mixed 2 Percent Seen 0.30 Percent Unseen 0.70 Aspect North

SOILS

This unit has 14 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 7 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the SHRIMP BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

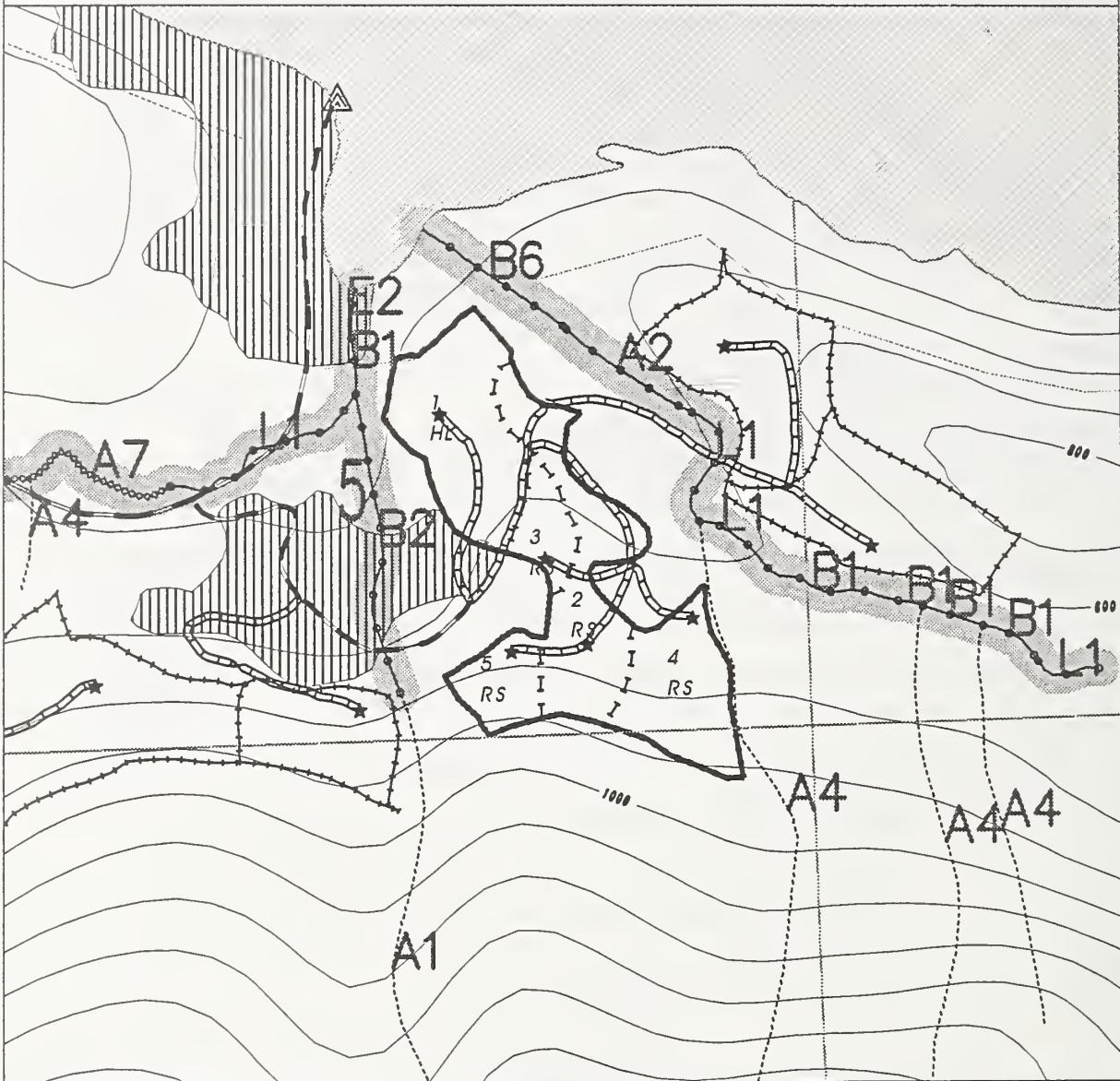
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3018

PLANNED HARVEST UNIT MAP

ACRES: 53 VOLUME: 1515 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-11 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

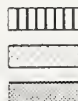
LANDING ★

BAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD

RS RUNNING SKYLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3019</u>	No. Settings <u>2</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>MM</u>
Planned acres <u>37</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1097</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHC</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-39</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 10 acres VC5 27 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 37 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 15 acres Medium 19 acres High 3 acres Very High 0 acres
Cedar 0 Hemlock 37 Mixed 0 Percent Seen 0.05 Percent Unseen 0.95 Aspect South

SOILS

This unit has 19 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 12 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 2 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

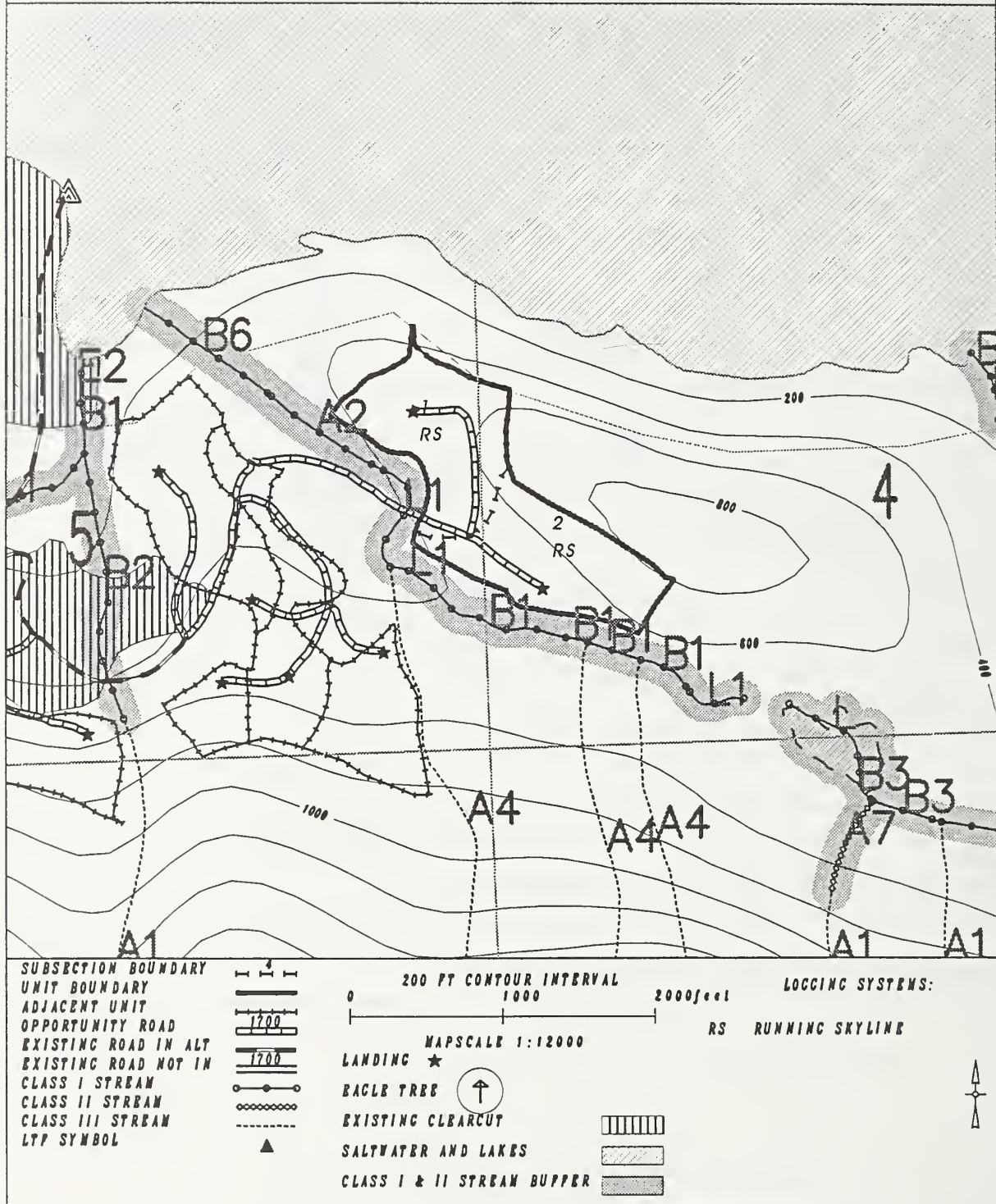
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3019

PLANNED HARVEST UNIT MAP

ACRES: 37 VOLUME: 1097 MBP QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-40 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3020</u>	No. Settings <u>3</u>	Alternatives considered <u>3 4 6</u>	VQO <u>MM</u>
Planned acres <u>66</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1961</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-42</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 17 acres VC5 49 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 47 acres 800-1200 ft. 19 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 65 acres Very High 1 acres
Cedar 0 Hemlock 66 Mixed 0 Percent Seen 0.03 Percent Unseen 0.97 Aspect West

SOILS

This unit has 65 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 64 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

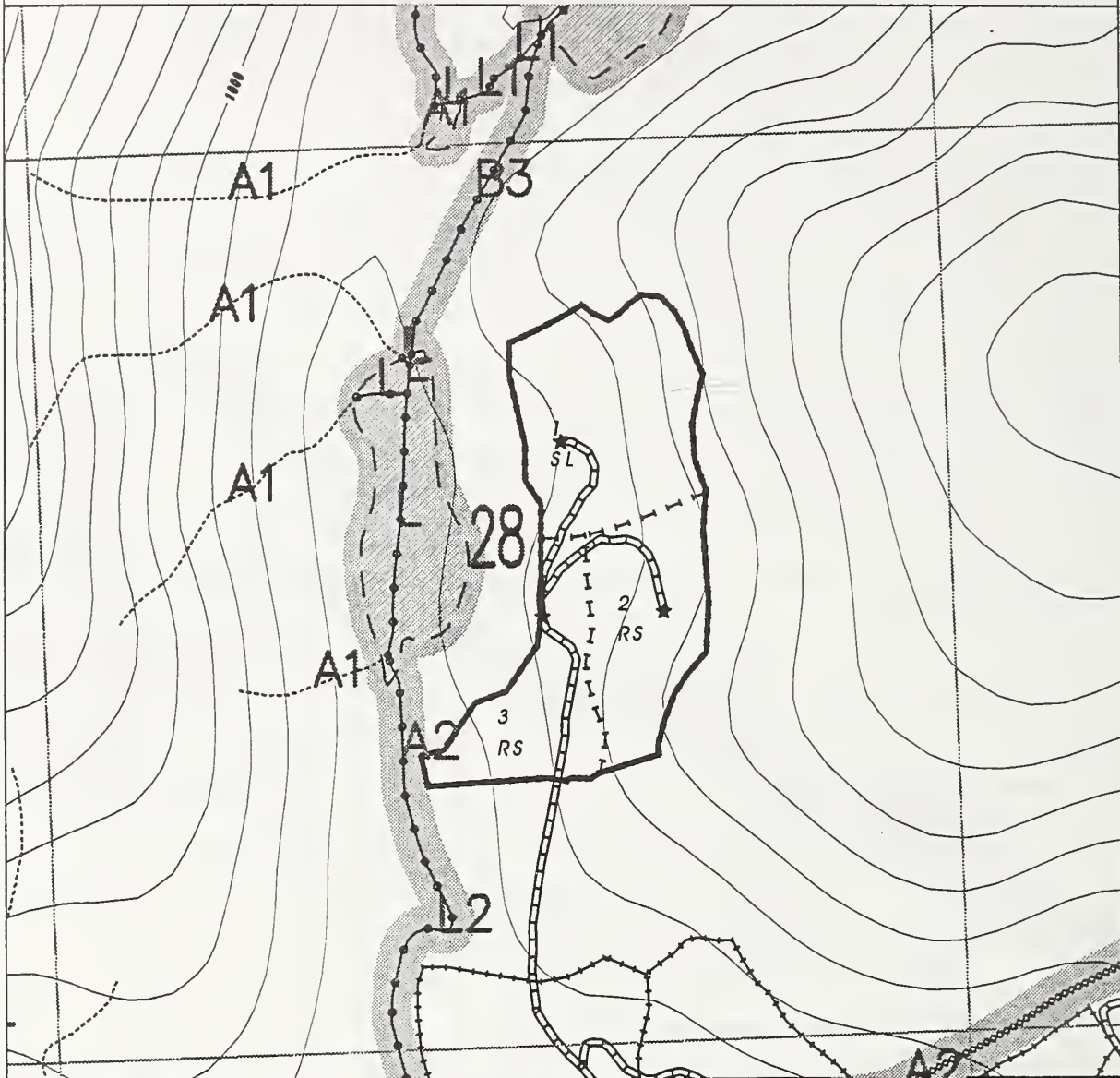
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3020

PLANNED HARVEST UNIT MAP

ACRES: 86 VOLUME: 1961 MBP QUAD(s): KTN05 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-43 LANDNET INFO TOWNSHIP 69S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

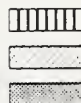
LANDING ★

BACLE TREE

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3021</u>	No. Settings <u>3</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>PR</u>
Planned acres <u>66</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2139</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>HL SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-42</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 59 acres VC6 7 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 66 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 66 acres Very High 0 acres
Cedar 0 Hemlock 66 Mixed 0 Percent Seen 0.61 Percent Unseen 0.39 Aspect South

SOILS

This unit has 23 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Maintain adequate distribution of snags by leaving 0.1 acre-sized patches of green trees within the unit for every 10 acres harvested. Snag patches must be compatible with logging system and safe working conditions.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

VCU: 7330 UNIT NUMBER: 3021

ACRES: 66 VOLUME: 2139 MBF QUAD(=): KTND5 QUARTER QUAD(=): SEN
PHOTO NUM.: 1279-42 LANDNET INFO TOWNSHIP 69S RANGE 91E

0 1000 2000 feet

SL SLACKLINE
HL HIGHLAND

CLASS I & II STREAM BUFFER

October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3022</u>	No. Settings <u>2</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>M</u>
Planned acres <u>76</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2096</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHC</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-92</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 45 acres VC5 31 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 44 acres 1200-1500 ft. 27 acres over 1500 ft. 4 acres
Mass movement index: Low 8 acres Medium 68 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 76 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect South

SOILS

This unit has 75 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 66 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 8 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

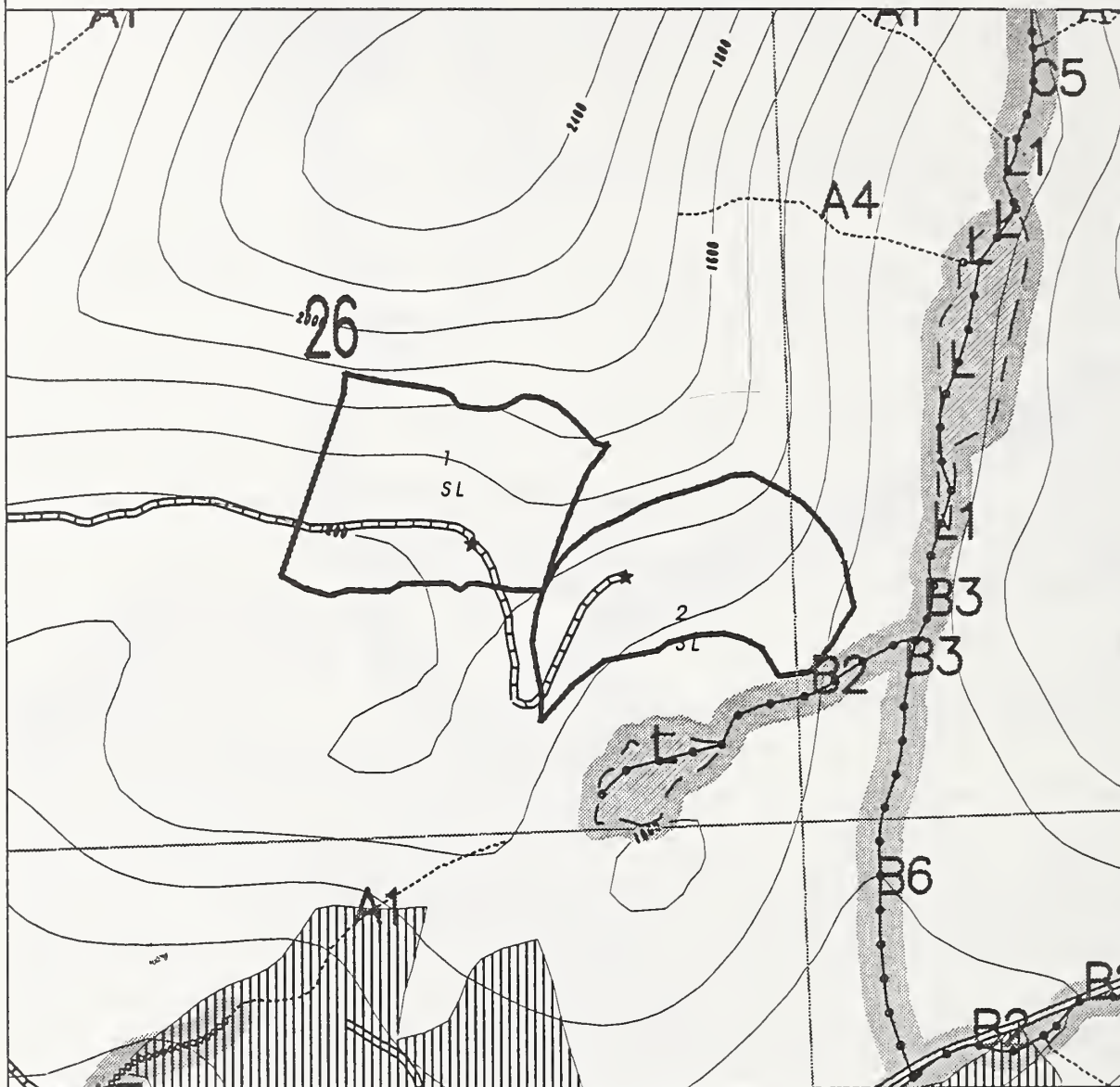
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3022

PLANNED HARVEST UNIT MAP

ACRES: 76 VOLUME: 2096 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEM
 PHOTO NUM.: 1279-92 LANDNET INFO TOWNSHIP 69S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

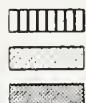
LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3023</u>	No. Settings <u>1</u>	Alternatives considered <u>4 6</u>	VQO <u>PR</u>
Planned acres <u>50</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1568</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-5</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 50 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 37 acres 800-1200 ft. 13 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 50 acres Very High 0 acres
Cedar 0 Hemlock 50 Mixed 0 Percent Seen 0.90 Percent Unseen 0.10 Aspect South

SOILS

This unit has 50 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 17 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.

There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

VCU: 7330 UNIT NUMBER: 3023

ACRES: 50 VOLUME: 1568 MBP QUAD(s): KTND QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-5 LANDNET INFO TOWNSHIP 69S RANGE 91R

The topographic map displays the study area with contour lines indicating elevation. A road network is shown, with several points labeled: A1, A2, A3, A4, B3, C3, D3, E3, F3, G3, H3, I3, J3, K3, L3, M3, N3, O3, P3, Q3, R3, S3, T3, U3, V3, W3, X3, Y3, and Z3. The map includes a scale bar and a north arrow.

CLASS I & II STREAM BUPPER

HE HELICOPTER

September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3024</u>	No. Settings <u>3</u>	Alternatives considered <u>4 6</u>	VQO <u>MM</u>
Planned acres <u>73</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1924</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>CMM</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-92</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 57 acres VC5 16 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 8 acres 800-1200 ft. 48 acres 1200-1500 ft. 17 acres over 1500 ft. 0 acres
Mass movement index: Low 15 acres Medium 28 acres High 30 acres Very High 0 acres
Cedar 0 Hemlock 73 Mixed 0 Percent Seen 0.23 Percent Unseen 0.77 Aspect West

SOILS

This unit has 24 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 7 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 5 streams which have fish passage requirements, of these passes 2 have timing restrictions.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

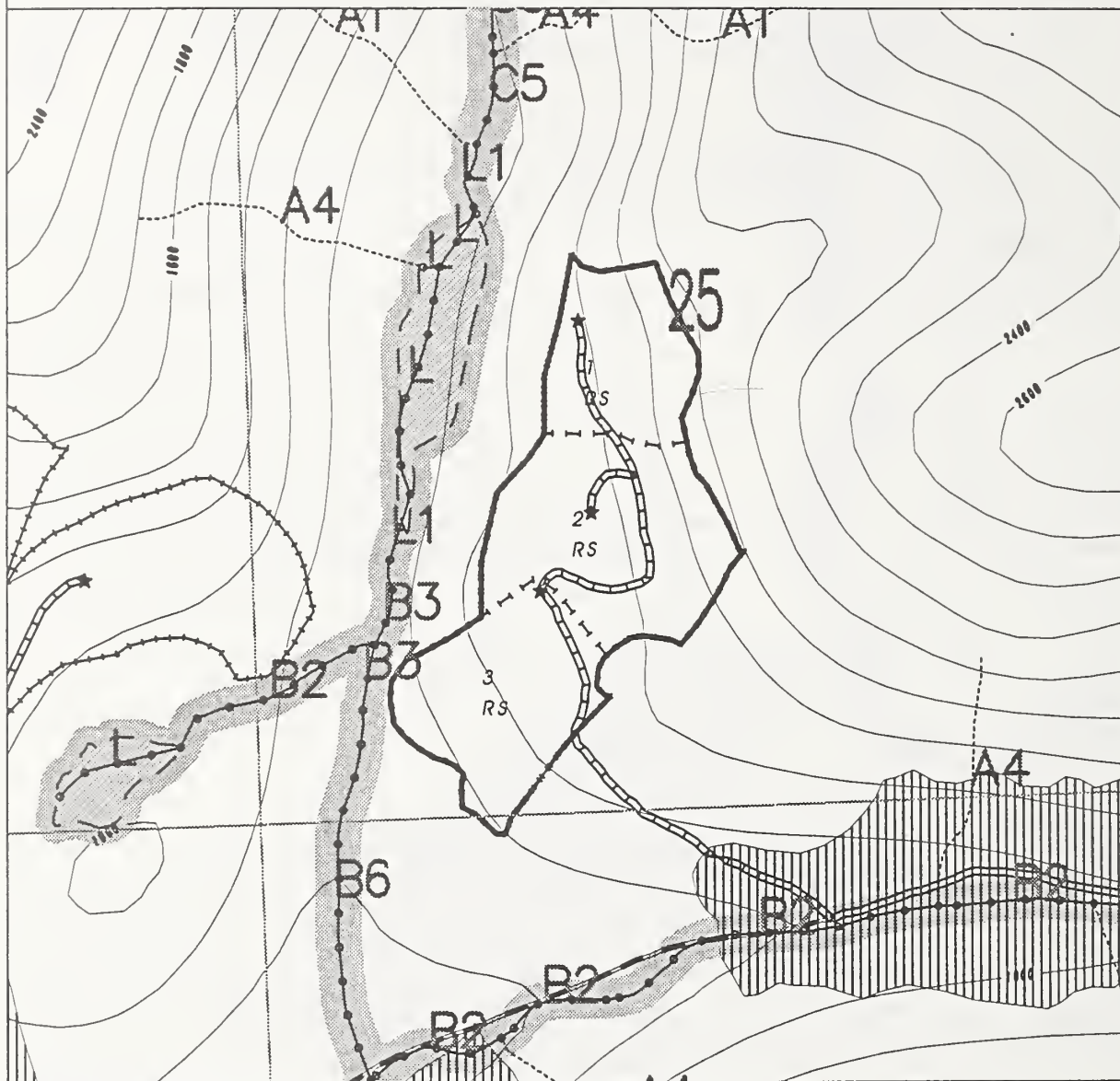
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3024

PLANNED HARVEST UNIT MAP

ACRES: 73 VOLUME: 1924 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-92 LANDNET INFO TOWNSHIP 69S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



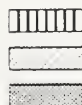
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 BACLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3025</u>	No. Settings <u>6</u>	Alternatives considered <u>6</u>	VQO <u>M</u>
Planned acres <u>84</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2442</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>NFS</u>
Logging methods <u>HL</u> <u>RS</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-11</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 30 acres VC5 54 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 47 acres 800-1200 ft. 25 acres 1200-1500 ft. 12 acres over 1500 ft. 0 acres
Mass movement index: Low 4 acres Medium 53 acres High 27 acres Very High 0 acres
Cedar 0 Hemlock 81 Mixed 3 Percent Seen 0.56 Percent Unseen 0.44 Aspect North

SOILS

This unit has 31 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 9 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the SHRIMP BAY viewshed, approximately a minimum 1/4 mile from shoreline.
This unit will need boundary modification by a landscape architect to meet the adopted VQO for this project.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

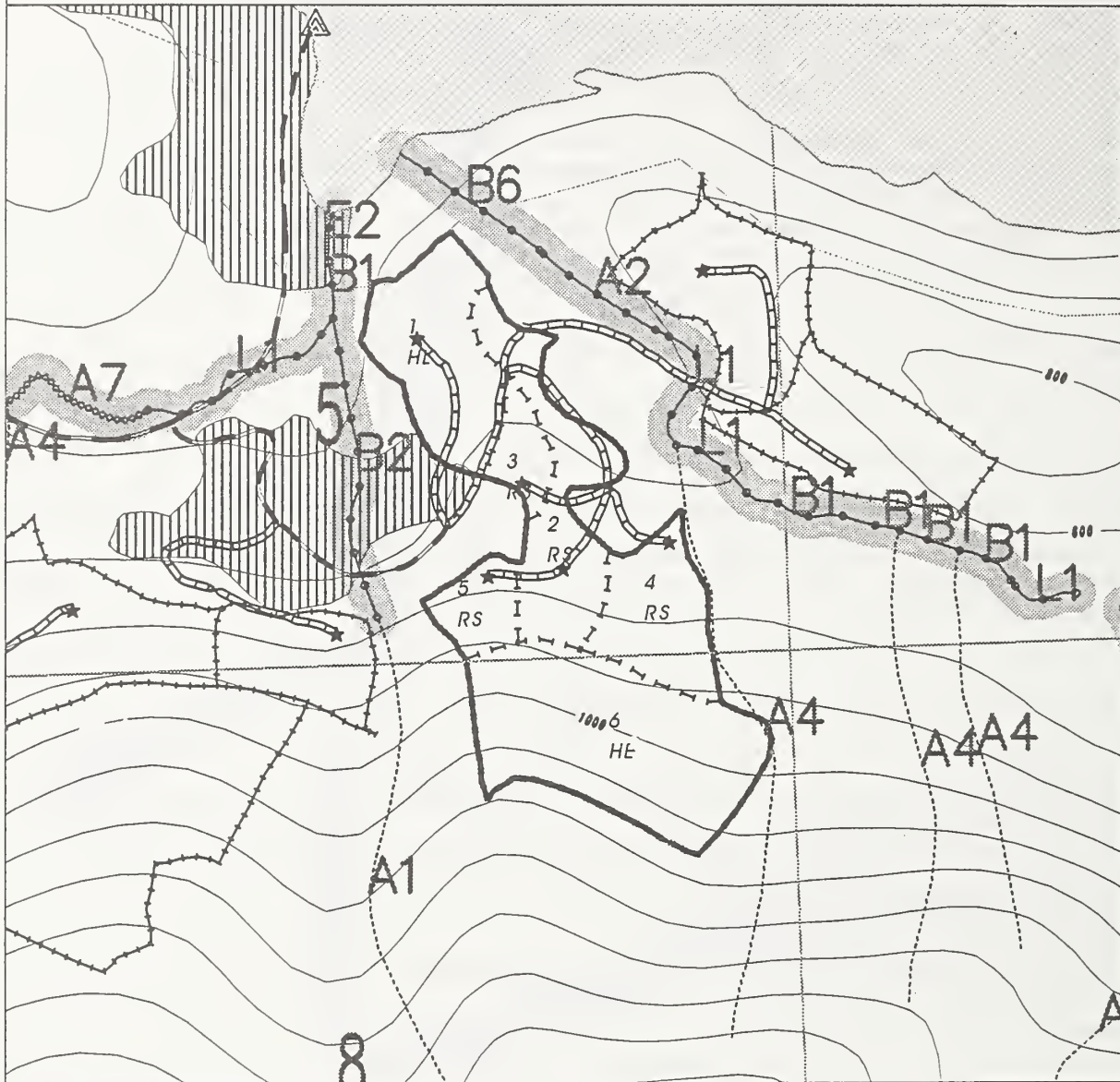
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3025

PLANNED HARVEST UNIT MAP

ACRES: 84 VOLUME: 2442 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-11 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

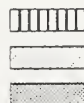
LANDING ★

EAGLE TREE (circle with arrow)

EXISTING CLEARCUT (dashed line)

SALTWATER AND LAKES (horizontal wavy line)

CLASS I & II STREAM BUFFER (shaded area)



LOGGING SYSTEMS:

HL HIGHLEAD
 RS RUNNING SKYLINE
 HE HELICOPTER



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3026</u>	No. Settings <u>3</u>	Alternatives considered <u>6</u>	VQO <u>M</u>
Planned acres <u>91</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2886</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHM</u>
Logging methods <u>RS</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 7 acres VC5 76 acres VC6 8 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 26 acres 800-1200 ft. 28 acres 1200-1500 ft. 21 acres over 1500 ft. 16 acres
Mass movement index: Low 1 acres Medium 28 acres High 62 acres Very High 0 acres
Cedar 0 Hemlock 83 Mixed 8 Percent Seen 0.69 Percent Unseen 0.31 Aspect North

SOILS

This unit has 64 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 20 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the SHRIMP BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

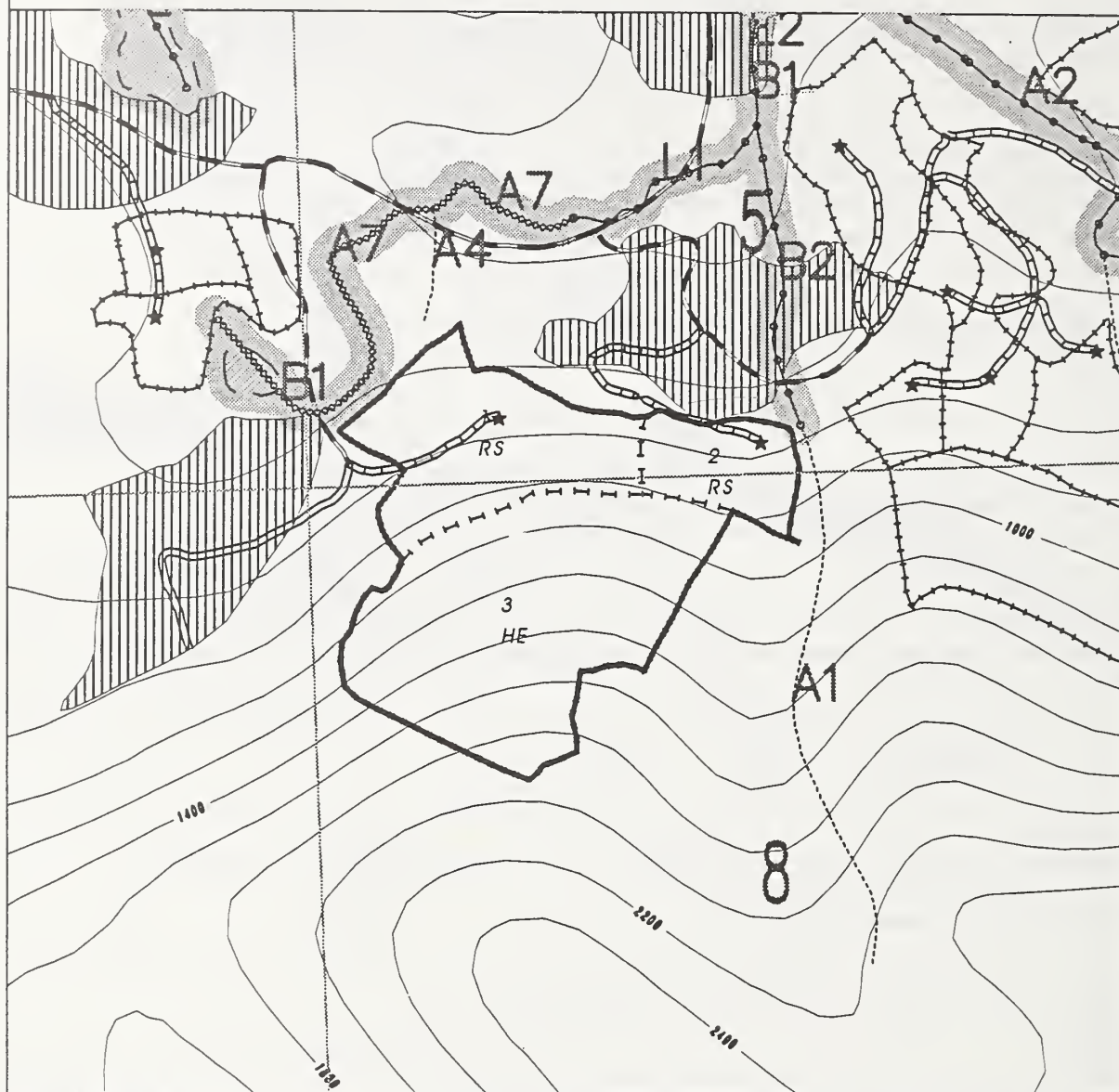
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3026

PLANNED HARVEST UNIT MAP

ACRES: 91 VOLUME: 2886 MBP QUAD(s): KYND5 QUARTER QUAD(s): SEN/SVN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (up arrow)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HE HELICOPTER



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3027</u>	No. Settings <u>5</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>102</u>	Quad <u>KTND5SEN</u>		Windthrow risk <u>H</u>
Estimated volume (mbf) <u>3058</u>	Mgmt Area <u>K32</u> VCU <u>7330</u>		Plant Series <u>WHS</u>
Logging methods <u>SL RS</u>	WAA <u>510</u>		Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1279-42</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 22 acres VC5 80 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 83 acres 800-1200 ft. 19 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 101 acres Very High 1 acres
Cedar 0 Hemlock 102 Mixed 0 Percent Seen 0.22 Percent Unseen 0.78 Aspect West

SOILS

This unit has 101 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 83 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Maintain diversity within unit by leaving 1-5 acre-sized islands of green trees at a rate of 1 acre of island for every 20 acre harvested. Leave islands must be compatible with logging system and safe working conditions.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

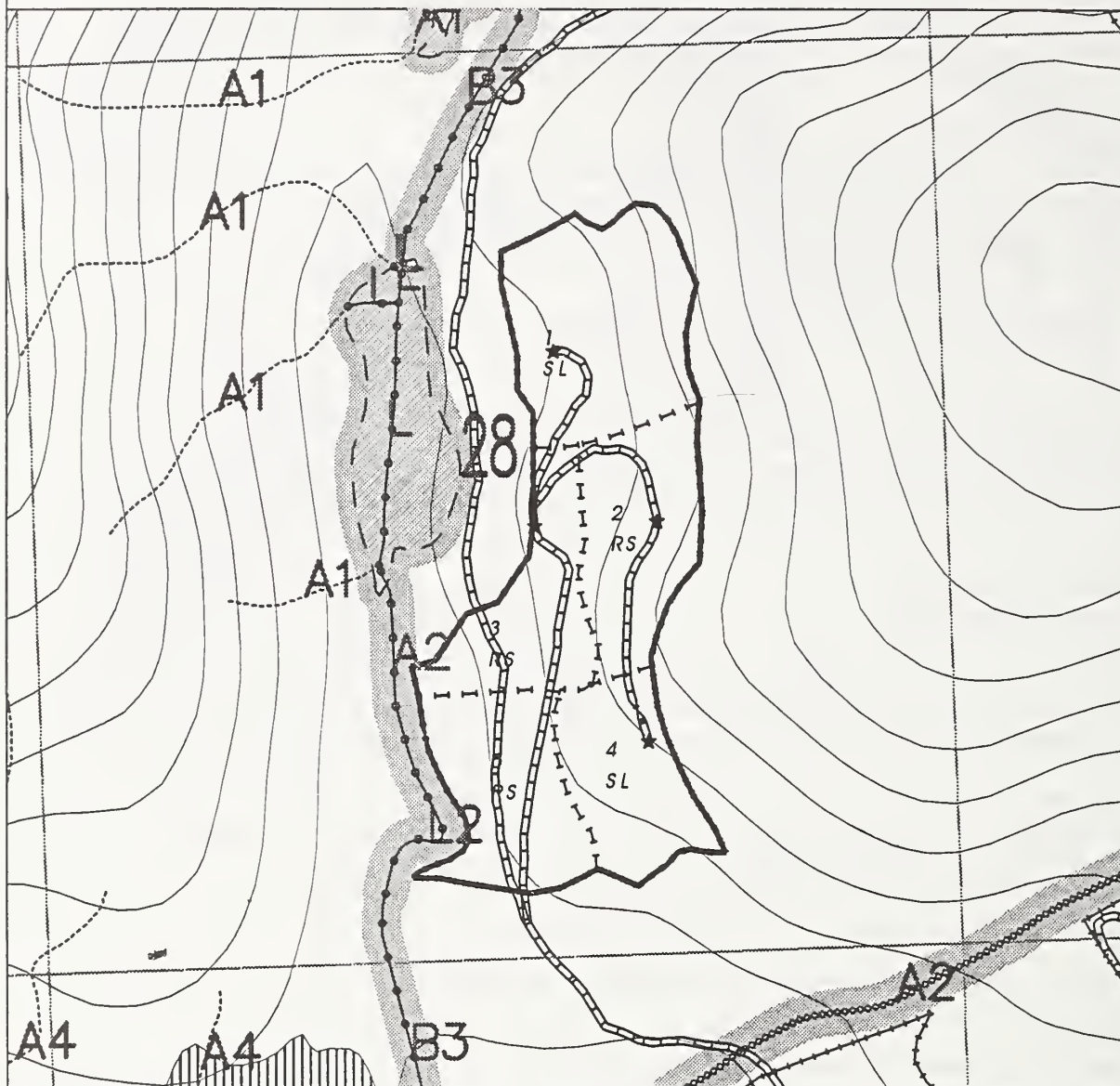
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3027

PLANNED HARVEST UNIT MAP

ACRES: 102 VOLUME: 3058 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN
PHOTO NUM.: 1279-43 LANDNET INFO TOWNSHIP 63S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
UNIT BOUNDARY
ADJACENT UNIT
OPPORTUNITY ROAD
EXISTING ROAD IN ALT
EXISTING ROAD NOT IN
CLASS I STREAM
CLASS II STREAM
CLASS III STREAM
LTP SYMBOL



200 FT CONTOUR INTERVAL
0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

BACLE TREE (symbol)

EXISTING CLEARCUT (hatched pattern)

SALTWATER AND LAKES (stippled pattern)

CLASS I & II STREAM BUFFER (dotted pattern)

LOGGING SYSTEMS:

SL SLACKLINE

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3028</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>21</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>545</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-42</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 18 acres VC5 3 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 21 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 21 acres Very High 0 acres
Cedar 0 Hemlock 21 Mixed 0 Percent Seen 0.65 Percent Unseen 0.35 Aspect South

SOILS

This unit has 21 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 21 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

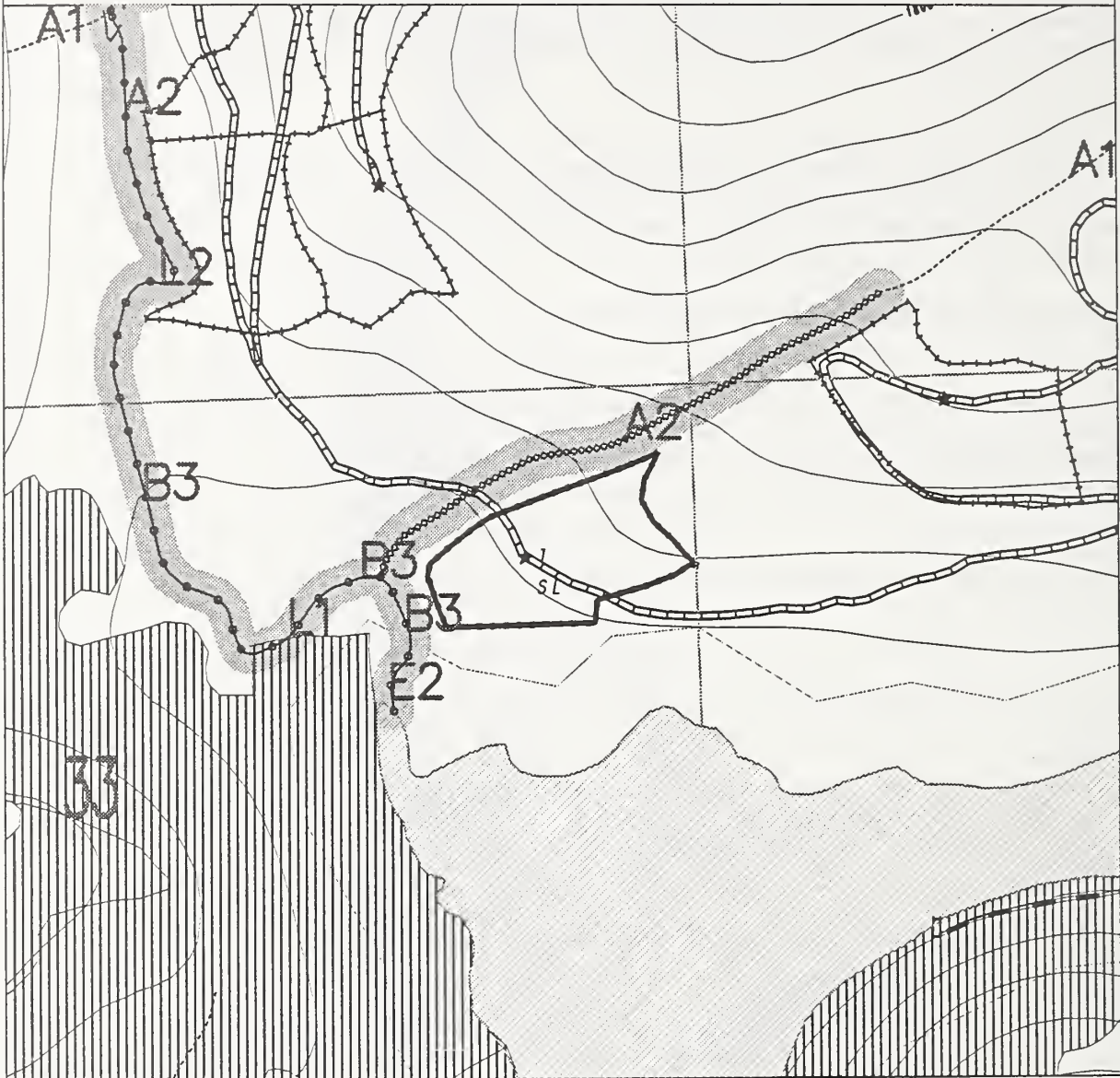
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3028

PLANNED HARVEST UNIT MAP

ACRES: 21 VOLUME: 545 MBP QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-42 LANDNET INFO TOWNSHIP R2S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

BACLE TREE (symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3029</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>25</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>625</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-42</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 25 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 23 acres 800-1200 ft. 2 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 25 acres Very High 0 acres
Cedar 0 Hemlock 25 Mixed 0 Percent Seen 0.47 Percent Unseen 0.53 Aspect South

SOILS

This unit has 25 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 24 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

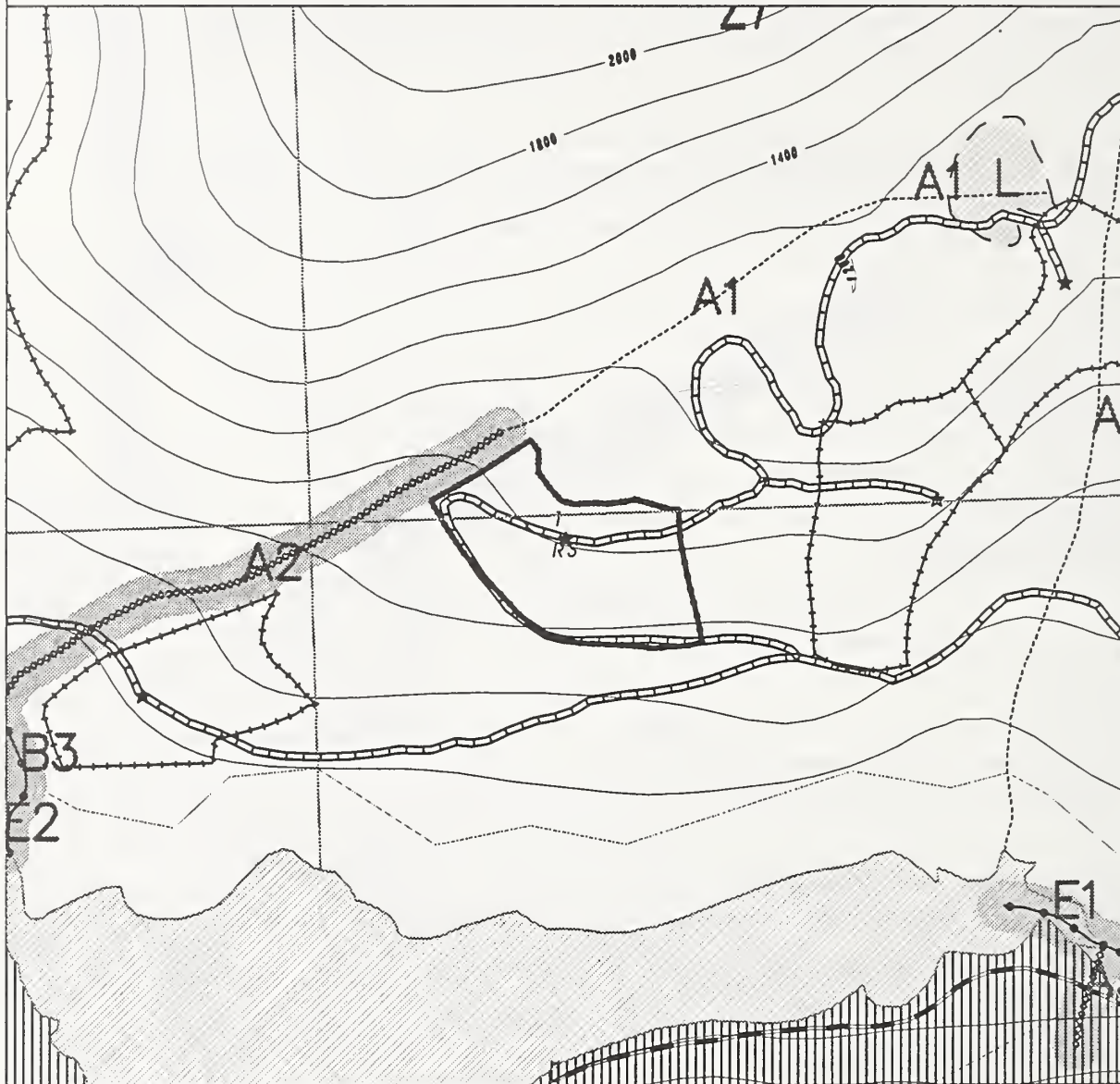
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3029

PLANNED HARVEST UNIT MAP

ACRES: 25 VOLUME: 625 MBP QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-42 LANDNET INFO TOWNSHIP 89S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

BACLE TREE (symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3030</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>45</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1253</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-50</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 25 acres VC5 20 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 16 acres 800-1200 ft. 29 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 0 acres High 44 acres Very High 0 acres
Cedar 0 Hemlock 45 Mixed 0 Percent Seen 0.94 Percent Unseen 0.06 Aspect East

SOILS

This unit has 45 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 44 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

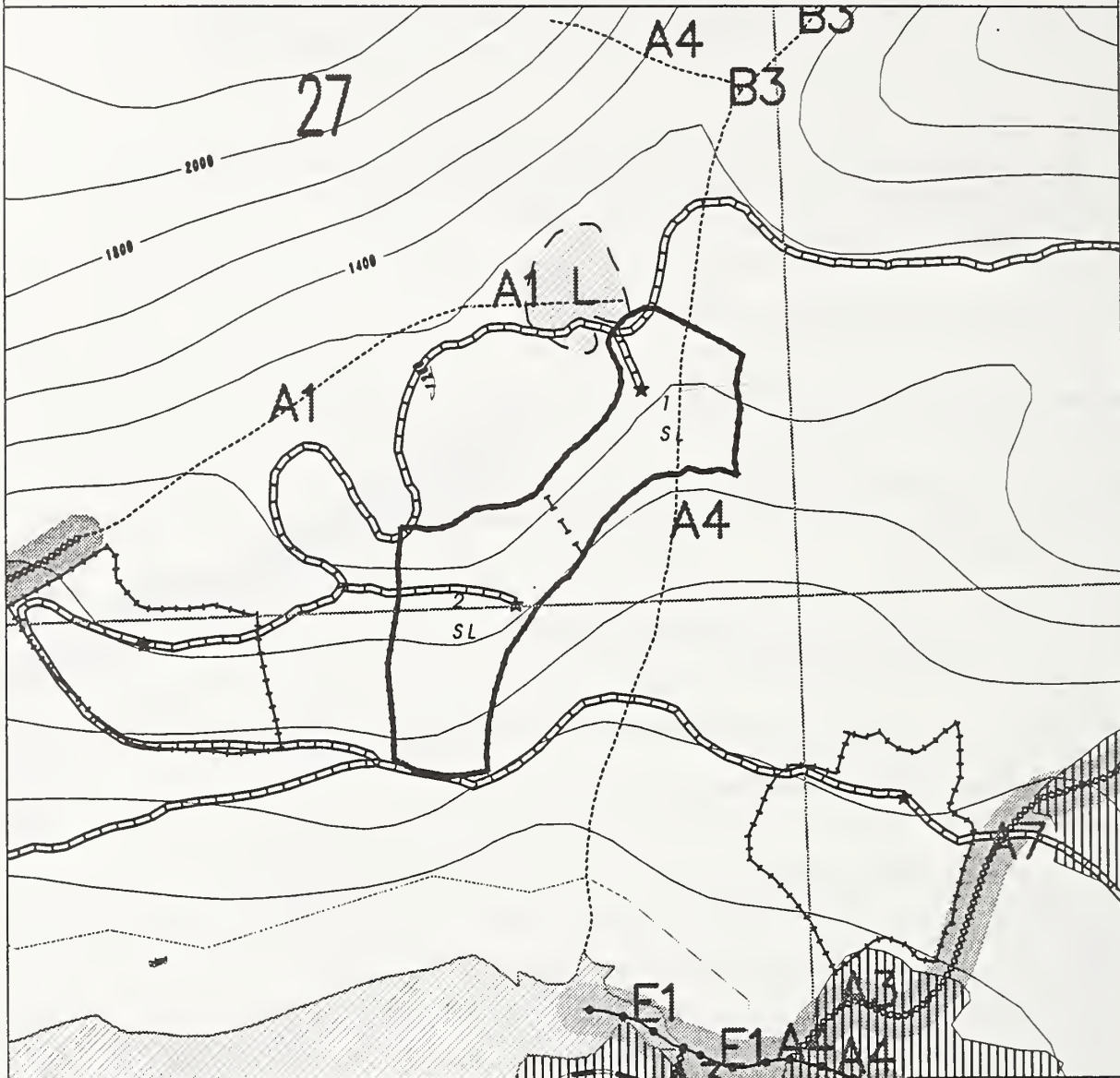
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3030

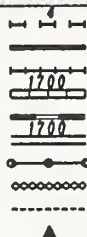
PLANNED HARVEST UNIT MAP

ACRES: 45 VOLUME: 1253 MBF QUAD(s): KYND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-50 LANDNET INFO TOWNSHIP 69S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3031</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>29</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>795</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-50</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 18 acres VC5 11 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 29 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 0 acres High 28 acres Very High 0 acres
Cedar 0 Hemlock 21 Mixed 8 Percent Seen 0.96 Percent Unseen 0.04 Aspect South

SOILS

This unit has 29 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 28 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potentially very low volume per acre.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 7 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3031

PLANNED HARVEST UNIT MAP

ACRES: 29 VOLUME: 795 MBP QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-50 LANDNET INFO TOWNSHIP 69S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following
 intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

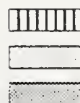
LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3032</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>32</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>985</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-52</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 3 acres VC5 29 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 8 acres 1200-1500 ft. 24 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 23 acres Very High 9 acres
Cedar 0 Hemlock 32 Mixed 0 Percent Seen 0.98 Percent Unseen 0.02 Aspect North

SOILS

This unit has 32 acres that may require partial or full suspension (BMP 13.9)
This unit has very high mass movement index soils.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 32 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARO

VCU: 7330 UNIT NUMBER: 3032

PLANNED HARVEST UNIT MAP

ACRES: 32 VOLUME: 985 MBP QUAD(s): KTN05 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-52 LANDNET INFO TOWNSHIP 89S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

BACLE TREE (symbol)

EXISTING CLEARCUT (symbol)

SALTWATER AND LAKES (symbol)

CLASS I & II STREAM BUFFER (symbol)

LOGGING SYSTEMS:

HE HELICOPTER



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3033</u>	No. Settings <u>7</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>62</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1760</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>NFS</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-40</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 29 acres VC5 33 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 55 acres 800-1200 ft. 7 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 4 acres Medium 48 acres High 10 acres Very High 0 acres
Cedar 0 Hemlock 60 Mixed 2 Percent Seen 0.34 Percent Unseen 0.66 Aspect North

SOILS

This unit has 14 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 7 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the SHRIMP BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

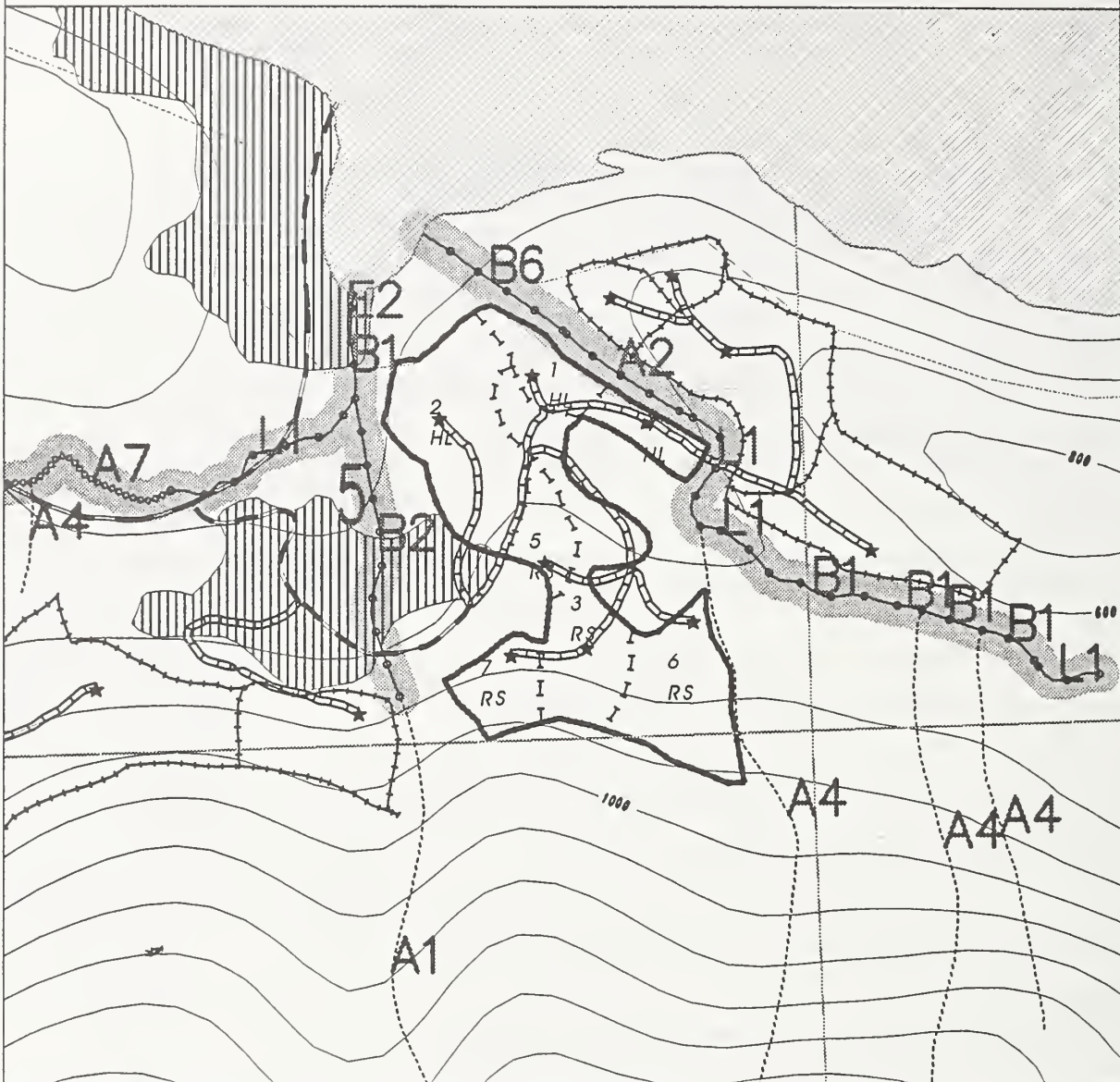
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3033

PLANNED HARVEST UNIT MAP

ACRES: 62 VOLUME: 1760 MBP QUAD(s): KTHD5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-40 LANDNET INFO TOWNSHIP 20S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

BACLE TREE (upward arrow in a circle)

EXISTING CLEARCUT (hatched box)

SALTWATER AND LAKES (stippled box)

CLASS I & II STREAM BUFFER (shaded box)

LOGGING SYSTEMS:

HL HIGHLEAD

RS RUNNING SKYLINE



October 07, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3034</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>38</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1192</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHM</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 38 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 26 acres 800-1200 ft. 12 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 24 acres High 13 acres Very High 0 acres
Cedar 0 Hemlock 38 Mixed 0 Percent Seen 0.26 Percent Unseen 0.74 Aspect North

SOILS

This unit has 13 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 9 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

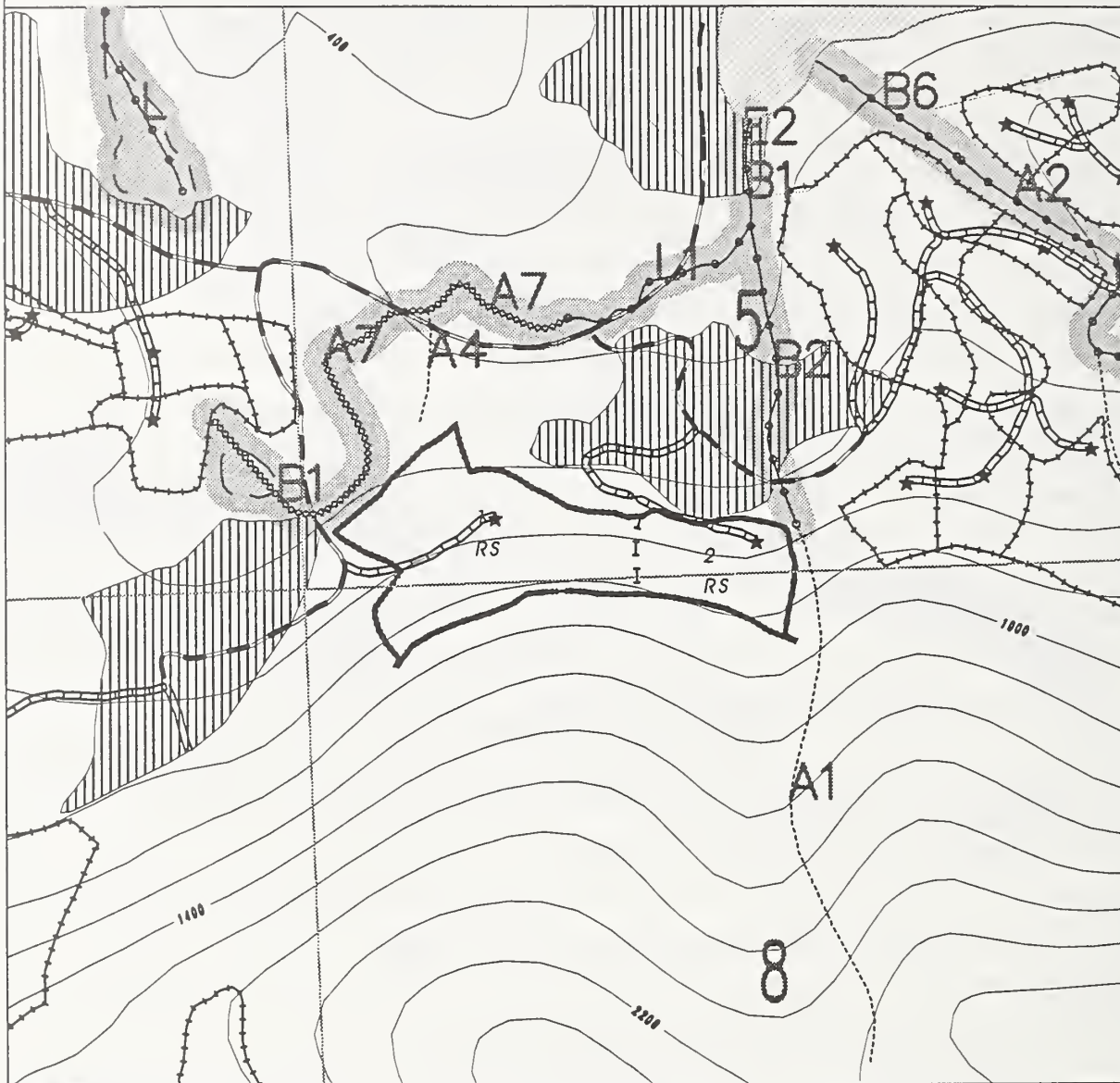
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3034

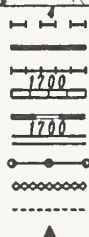
PLANNED HARVEST UNIT MAP

ACRES: 38 VOLUME: 1192 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN/SWN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 20S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



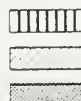
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (up arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3035</u>	No. Settings <u>10</u>	Alternatives considered <u>4 5</u>	VQO <u>MM</u>
Planned acres <u>68</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2455</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>CMM</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 21 acres VC5 0 acres VC6 47 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 68 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 16 acres Medium 52 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 21 Mixed 47 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 17 acres that may require partial or full suspension (BMP 13.9)
This unit contains 8 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 2 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

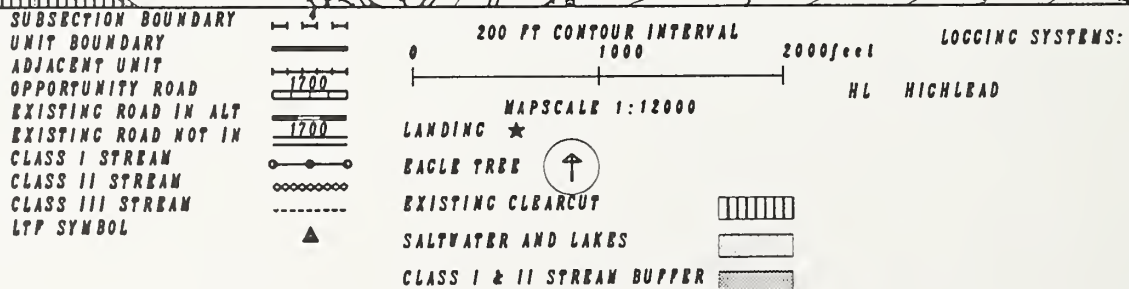
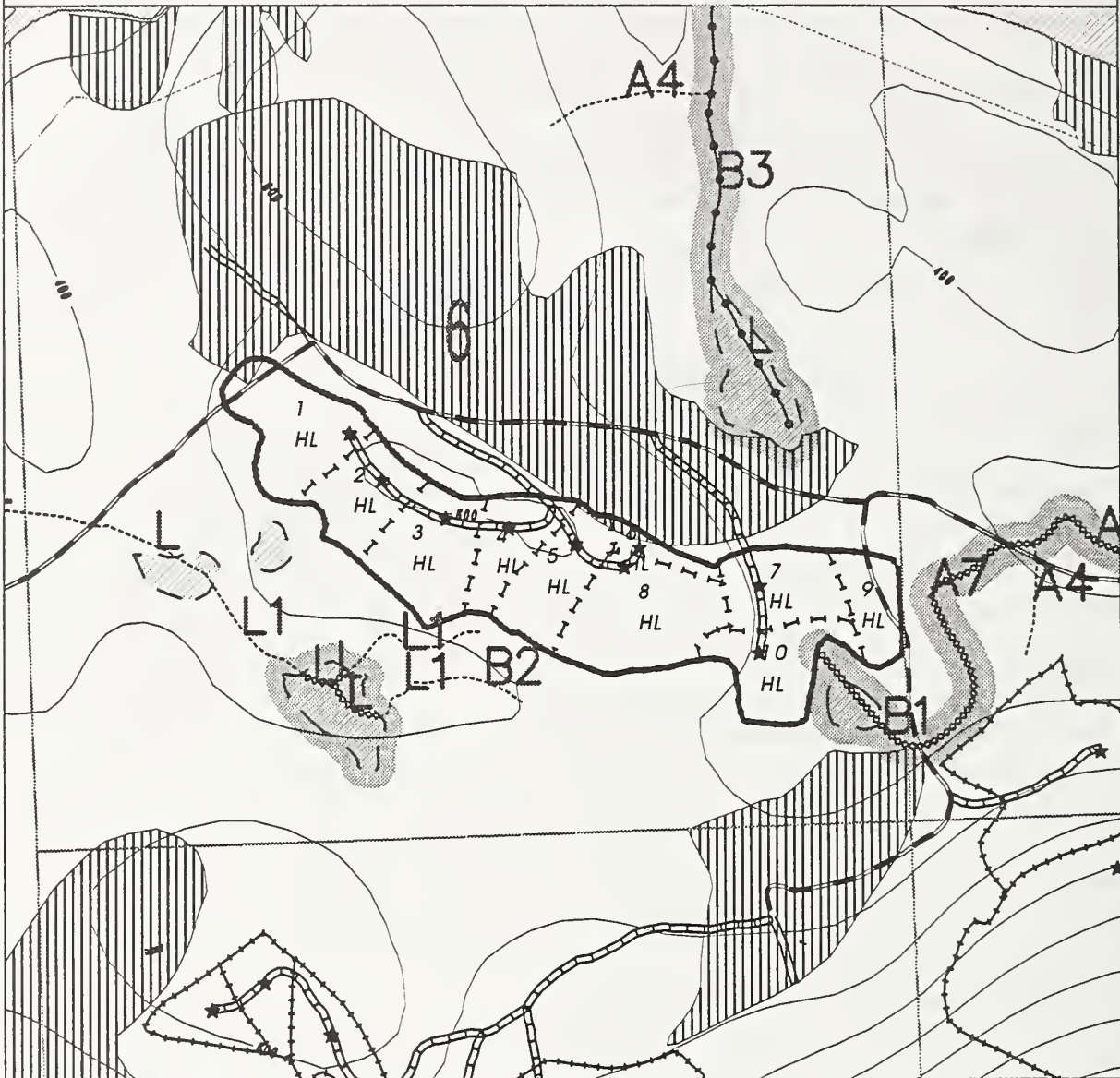
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3035

PLANNED HARVEST UNIT MAP

ACRES: 68 VOLUME: 2455 MBF QUAD(s): KTNDS QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3036</u>	No. Settings <u>1</u>	Alternatives considered <u>4 5</u>	VQO <u>M</u>
Planned acres <u>37</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1518</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHM</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 0 acres VC6 37 acres VC7 0 acres
 Elevation breakdown: 0-800 ft. 4 acres 800-1200 ft. 20 acres 1200-1500 ft. 11 acres over 1500 ft. 2 acres
 Mass movement index: Low 0 acres Medium 1 acres High 36 acres Very High 0 acres
 Cedar 0 Hemlock 0 Mixed 37 Percent Seen 0.70 Percent Unseen 0.30 Aspect North

SOILS

This unit has 37 acres that may require partial or full suspension (BMP 13.9)
 This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
 This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
 This unit contains 11 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
 Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the SHRIMP BAY viewshed,
 approximately a minimum 1/4 mile from shoreline.
 There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

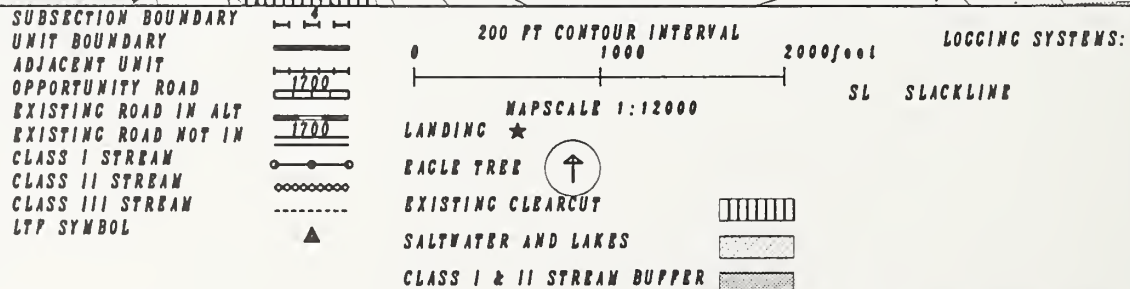
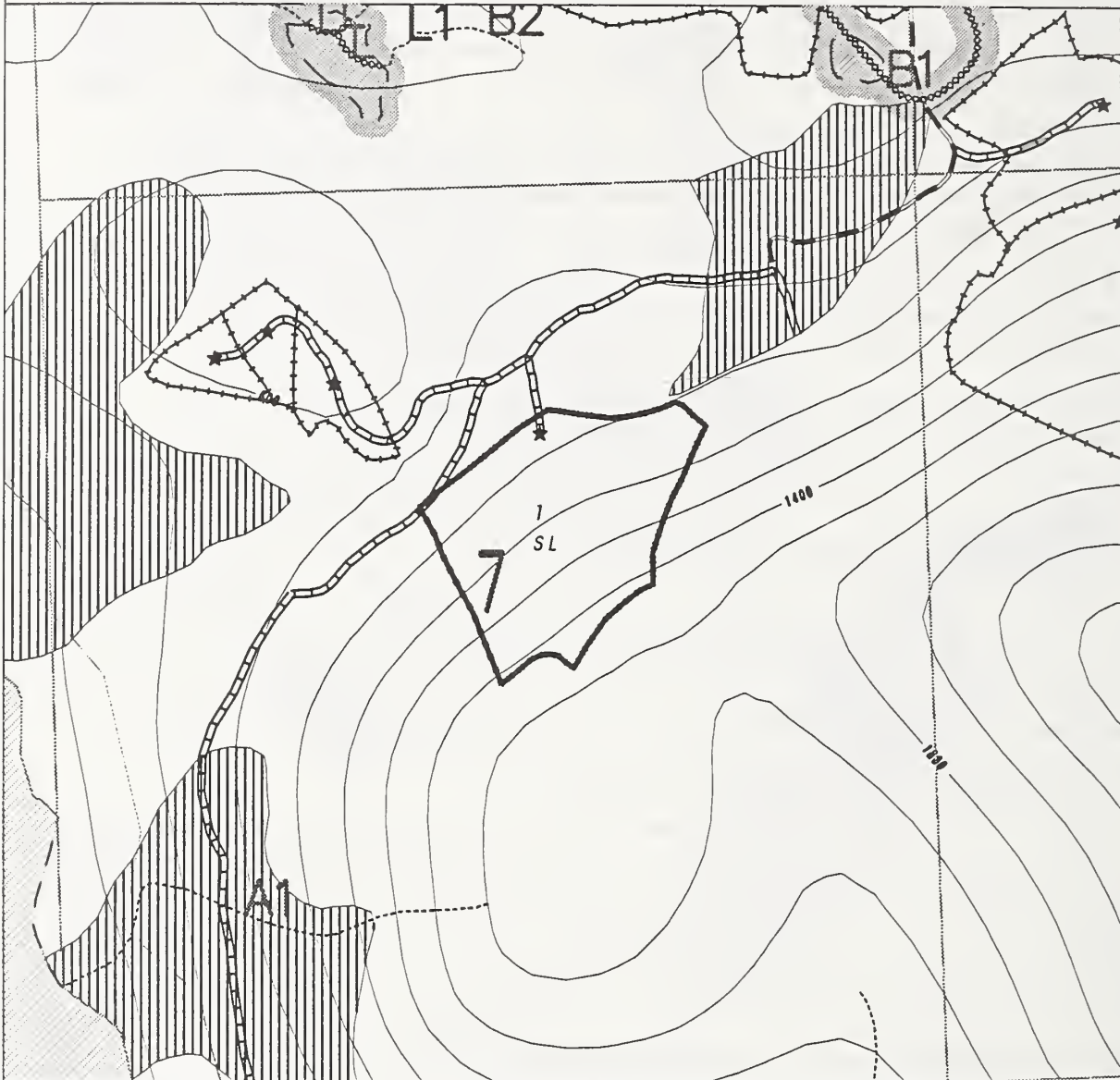
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3036

PLANNED HARVEST UNIT MAP

ACRES: 37 VOLUME: 1518 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3037</u>	No. Settings <u>2</u>	Alternatives considered <u>4</u>	VQO <u>PR</u>
Planned acres <u>43</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1417</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHS</u>
Logging methods <u>HL SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-42</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 36 acres VC6 7 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 43 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 43 acres Very High 0 acres
Cedar 0 Hemlock 43 Mixed 0 Percent Seen 0.40 Percent Unseen 0.60 Aspect South

SOILS

This unit has 42 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Harvest operations restricted to April 1 to October 31 to protect trumpeter swans on Margaret, Orchard, Lakes, Klu Bay and the head of Traitors Cove.
Maintain adequate distribution of snags by leaving 0.1 acre-sized patches of green trees within the unit for every 10 acres harvested. Snag patches must be compatible with logging system and safe working conditions.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the KLU BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

VCU: 7330 UNIT NUMBER: 3037

ACRES: 43 VOLUME: 1417 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-42 LANDNET INFO TOWNSHIP 69S RANGE 91R

MAPSCALE 1:12000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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11

SL SLACKLINE
HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3038</u>	No. Settings <u>2</u>	Alternatives considered <u>4</u>	VQO <u>M</u>
Planned acres <u>43</u>		Quad <u>KTND5SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1303</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>NFS</u>
Logging methods <u>RS</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-11</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 7 acres VC5 36 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 9 acres 800-1200 ft. 21 acres 1200-1500 ft. 13 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 22 acres High 19 acres Very High 0 acres
Cedar 0 Hemlock 40 Mixed 3 Percent Seen 0.81 Percent Unseen 0.19 Aspect North

SOILS

This unit has 20 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit contains 2 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the SHRIMP BAY viewshed, approximately a minimum 1/4 mile from shoreline.
This unit will need boundary modification by a landscape architect to meet the adopted VQO for this project.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

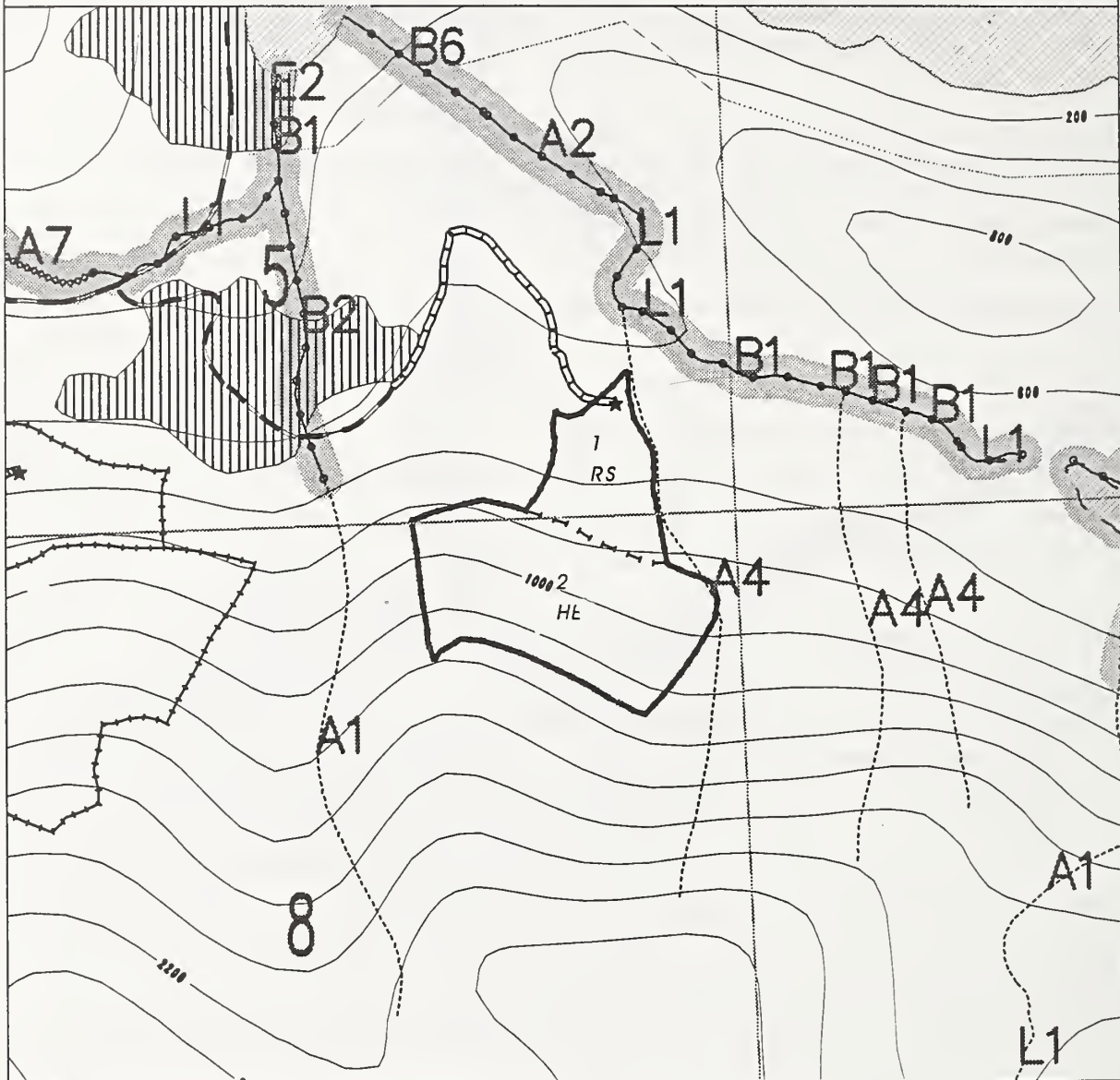
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3038

PLANNED HARVEST UNIT MAP

ACRES: 43 VOLUME: 1303 MBF QUAD(s): KTND5 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1279-11 LANDNET INFO TOWNSHIP 7DS RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

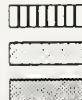
LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HE HELICOPTER



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>3039</u>	No. Settings <u>2</u>	Alternatives considered <u>4</u>	VQO <u>M</u>
Planned acres <u>80</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2541</u>		Mgmt Area <u>K32</u> VCU <u>7330</u>	Plant Series <u>WHM</u>
Logging methods <u>RS</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 7 acres VC5 65 acres VC6 8 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 18 acres 800-1200 ft. 24 acres 1200-1500 ft. 21 acres over 1500 ft. 17 acres
Mass movement index: Low 1 acres Medium 27 acres High 52 acres Very High 0 acres
Cedar 0 Hemlock 72 Mixed 8 Percent Seen 0.74 Percent Unseen 0.26 Aspect North

SOILS

This unit has 52 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 11 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 2 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the SHRIMP BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

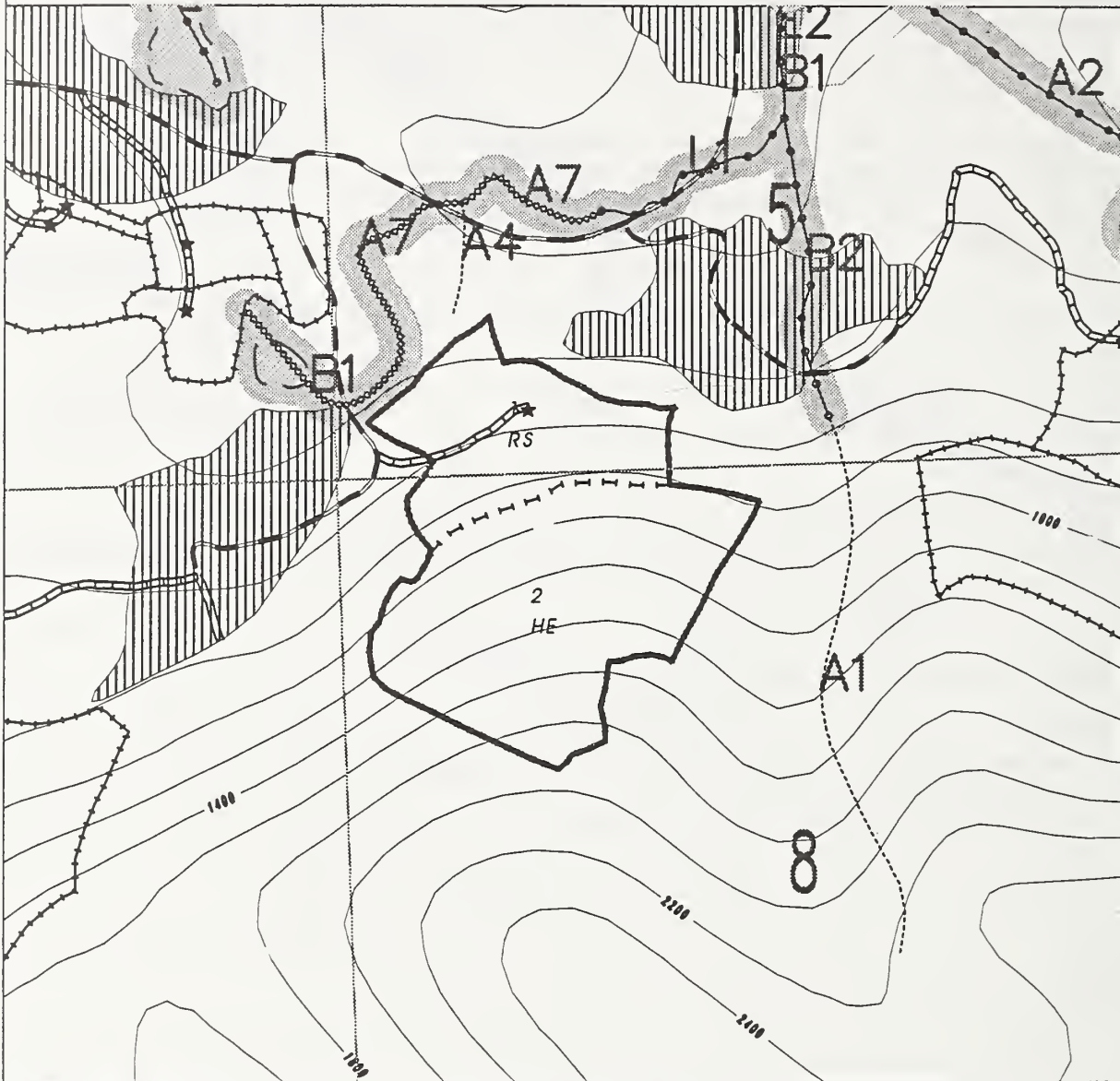
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7330 UNIT NUMBER: 3039

PLANNED HARVEST UNIT MAP

ACRES: 80 VOLUME: 2541 MBP QUAD(s): KTND5 QUARTER QUAD(s): SEM/SWN
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following
 Intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL

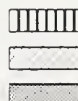


200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow in circle)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HE HELICOPTER



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>4002</u>	No. Settings <u>3</u>	Alternatives considered <u>2 4 5</u>	VQO <u>MM</u>
Planned acres <u>57</u>		Quad <u>KTNC5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1966</u>		Mgmt Area <u>K32</u> VCU <u>7400</u>	Plant Series <u>CMM</u>
Logging methods <u>RS</u>		WAA <u>509</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-58</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 4 acres VC5 32 acres VC6 21 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 1 acres over 1500 ft. 56 acres
Mass movement index: Low 46 acres Medium 0 acres High 11 acres Very High 0 acres
Cedar 0 Hemlock 57 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect South

SOILS

This unit has 57 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 7 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 40 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.47 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

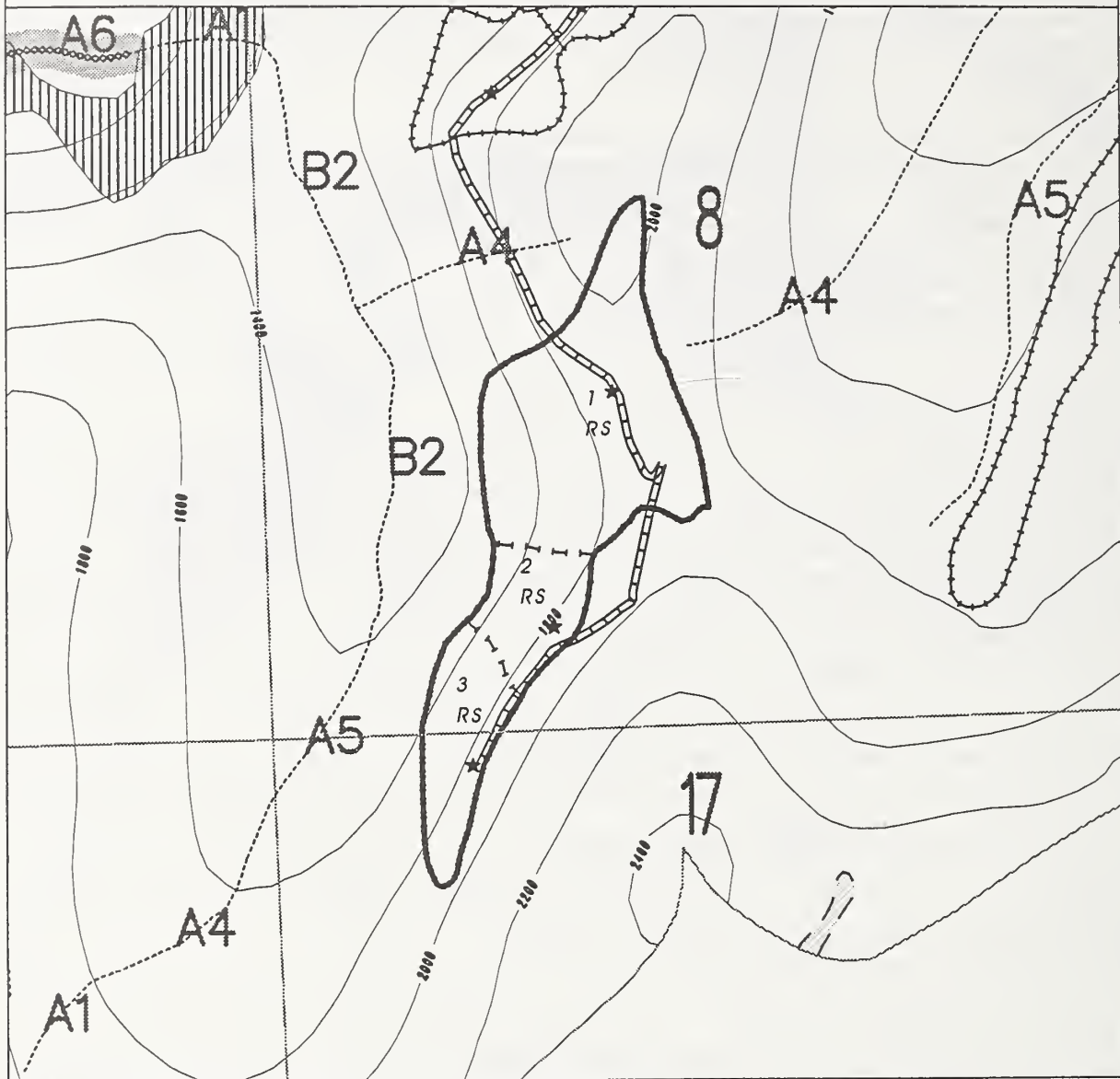
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7400 UNIT NUMBER: 4002

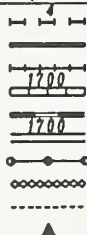
PLANNED HARVEST UNIT MAP

ACRES: 57 VOLUME: 1966 MBP QUAD(s): KTNC5 QUARTER QUAD(s): NVS
 PHOTO NUM.: 1179-58 LANDNET INFO TOWNSHIP 72S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>4004</u>	No. Settings <u>2</u>	Alternatives considered <u>2 4 5</u>	VQO <u>MM</u>
Planned acres <u>17</u>		Quad <u>KTNC5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>425</u>		Mgmt Area <u>K32</u> VCU <u>7400</u>	Plant Series <u>MHA</u>
Logging methods <u>HL</u>		WAA <u>509</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-58</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 17 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 17 acres
Mass movement index: Low 17 acres Medium 0 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 17 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 17 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 7 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.39 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

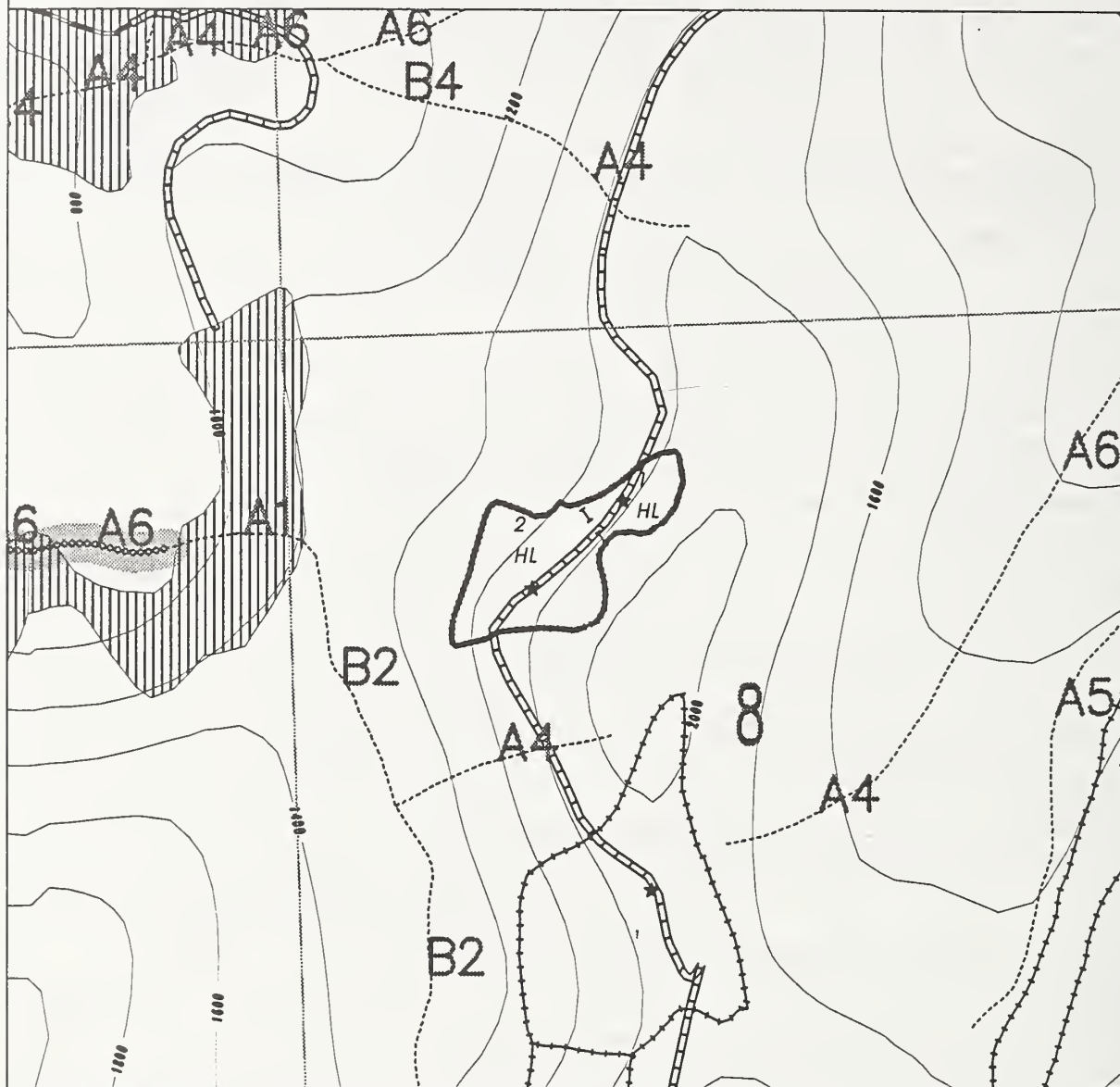
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7400 UNIT NUMBER: 4004

PLANNED HARVEST UNIT MAP

ACRES: 17 VOLUME: 425 MBP QUAD(s): KTNCS QUARTER QUAD(s): NYS
 PHOTO NUM.: 1179-58 LANDNET INPO TOWNSHIP 72S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



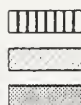
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (circle with cross)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>4006</u>	No. Settings <u>2</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>M</u>
Planned acres <u>58</u>		Quad <u>KTNC5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1529</u>		Mgmt Area <u>K32</u> VCU <u>7400</u>	Plant Series <u>WHC</u>
Logging methods <u>RS</u>		WAA <u>509</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-60</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 53 acres VC5 0 acres VC6 5 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 12 acres over 1500 ft. 46 acres
Mass movement index: Low 58 acres Medium 0 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 53 Mixed 5 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 58 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 26 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 29 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/TRAITORS COVE viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

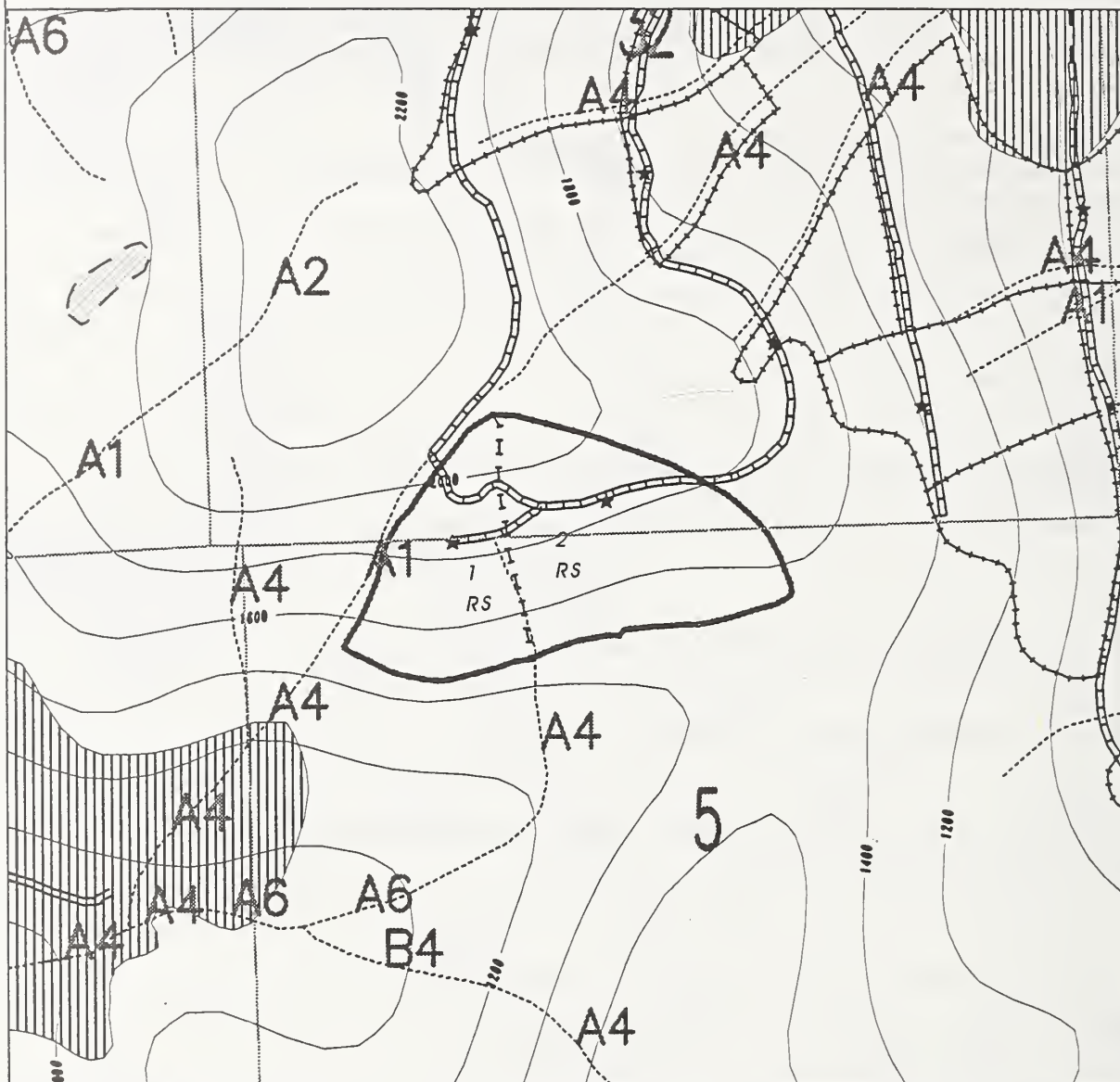
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7400 UNIT NUMBER: 4006

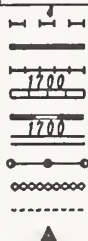
PLANNED HARVEST UNIT MAP

ACRES: 58 VOLUME: 1529 MBF QUAD(s): KPMCS QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-60 LANDNET INFO TOWNSHIP 71S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



0 200 FT CONTOUR INTERVAL 1000 2000feet

MAPSCALE 1:12000

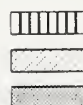
LANDING ★

BACLE TREE (upward arrow symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>4007</u>	No. Settings <u>4</u>	Alternatives considered <u>4 5</u>	VQO <u>M</u>
Planned acres <u>95</u>	Quad <u>KTNC5NWS</u>		Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2453</u>	Mgmt Area <u>K32</u>	VCU <u>7400</u>	Plant Series <u>NME</u>
Logging methods <u>SL RS</u>	WAA <u>509</u>		Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1179-60</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 90 acres VC5 0 acres VC6 5 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 13 acres 1200-1500 ft. 36 acres over 1500 ft. 46 acres
Mass movement index: Low 90 acres Medium 0 acres High 5 acres Very High 0 acres
Cedar 0 Hemlock 90 Mixed 5 Percent Seen 0.96 Percent Unseen 0.04 Aspect South

SOILS

This unit has 95 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 49 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 35 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/TRAITORS COVE viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

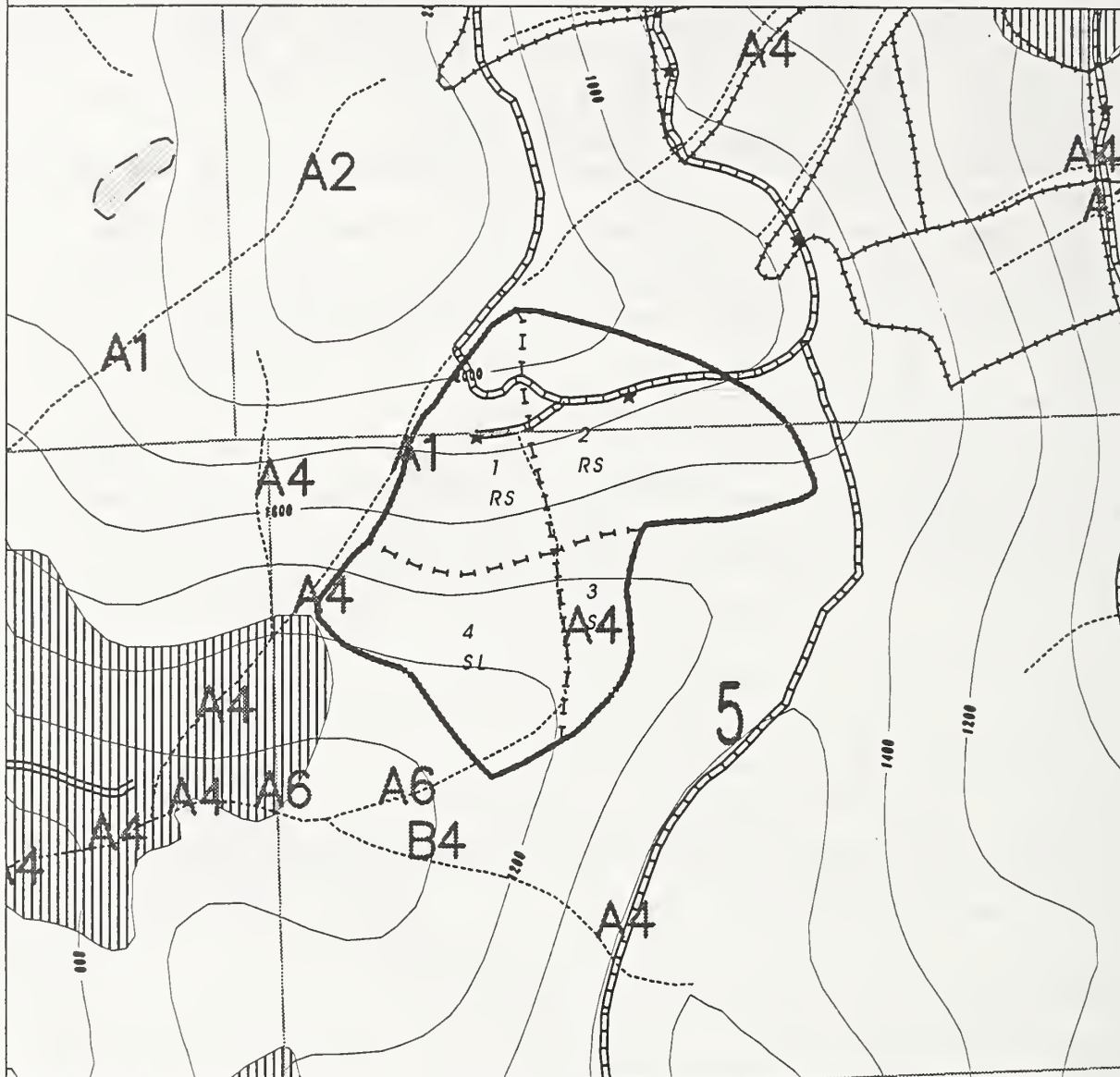
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7400 UNIT NUMBER: 4007

PLANNED HARVEST UNIT MAP

ACRES: 95 VOLUME: 2453 MBF QUAD(s): KTNCS QUARTER QUAD(s): NVS
 PHOTO NUM.: 1179-60 LANDNET INFO TOWNSHIP 71S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (circle with cross)

EXISTING CLEARCUT (hatched pattern)

SALTWATER AND LAKES (stippled pattern)

CLASS I & II STREAM BUFFER (solid grey pattern)

LOGGING SYSTEMS:

RS RUNNING SKYLINE

SL SLACKLINE

September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5001</u>	No. Settings <u>5</u>	Alternatives considered <u>2 4</u>	VQO <u>R</u>
Planned acres <u>73</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2290</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-30</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 73 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 66 acres 800-1200 ft. 6 acres 1200-1500 ft. 0 acres over 1500 ft. 1 acres
Mass movement index: Low 9 acres Medium 21 acres High 43 acres Very High 0 acres
Cedar 0 Hemlock 54 Mixed 19 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 48 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 22 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 9 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.30 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/W.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
Additional design layout by a landscape architect may be required to meet the adopted VQO.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5001

PLANNED HARVEST UNIT MAP

ACRES: 73 VOLUME: 2290 MBF QUAD(0): KTND5/KTND6 QUARTER QUAD(0): NWS/NES
 PHOTO NUM.: 1179-30 LANDNET INFO TOWNSHIP R9S RANGE R0R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

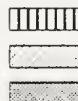
LANDING ★

EAGLE TREE

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5002</u>	No. Settings <u>7</u>	Alternatives considered <u>2</u>	VQO <u>R</u>
Planned acres <u>69</u>	Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>	
Estimated volume (mbf) <u>1911</u>	Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>	
Logging methods <u>HL</u>	WAA <u>510</u>	Forest type <u>Hemlock</u>	
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1179-84</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 40 acres VC5 29 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 54 acres 800-1200 ft. 1 acres 1200-1500 ft. 5 acres over 1500 ft. 0 acres
Mass movement index: Low 17 acres Medium 47 acres High 5 acres Very High 0 acres
Cedar 0 Hemlock 69 Mixed 0 Percent Seen 0.95 Percent Unseen 0.05 Aspect North

SOILS

This unit has 69 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 59 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 1.14 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/W.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
Additional design layout by a landscape architect may be required to meet the adopted VQO.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

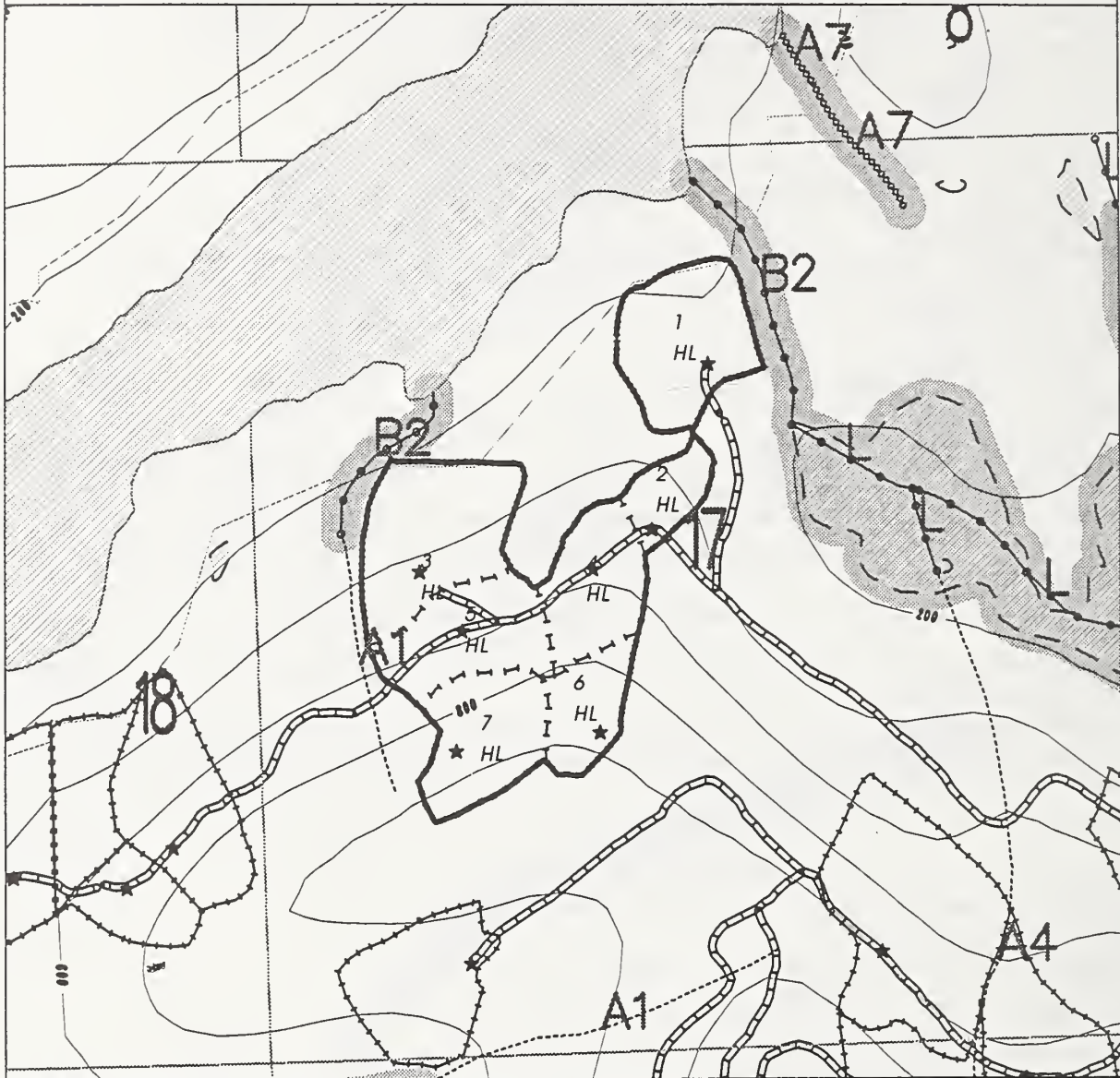
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5002

PLANNED HARVEST UNIT MAP

ACRES: 69 VOLUME: 1911 NBP QUAD(s): KTND5 QUARTER QUAD(s): NVS
 PHOTO NUM.: 1179-84 LANDNET INFO TOWNSHIP R2S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.

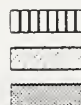


SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:
 HL HIGH LEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit 5003 No. Settings 1 Alternatives considered 2 4 5 VQO PR
Planned acres 13 Quad KINDSNWS Windthrow risk H
Estimated volume (mbf) 452 Mgmt Area K32 VCU 7350 Plant Series WHS
Logging methods HL WAA 510 Forest type Mixed conifer
Silvicultural system Clearcut 1979 Photo 1179-84

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 5 acres VC5 0 acres VC6 8 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 7 acres 800-1200 ft. 6 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 11 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 5 Mixed 8 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 13 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9)
to aid reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction on 0.20 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A6 class 2 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nest site is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/W.HASSLER viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

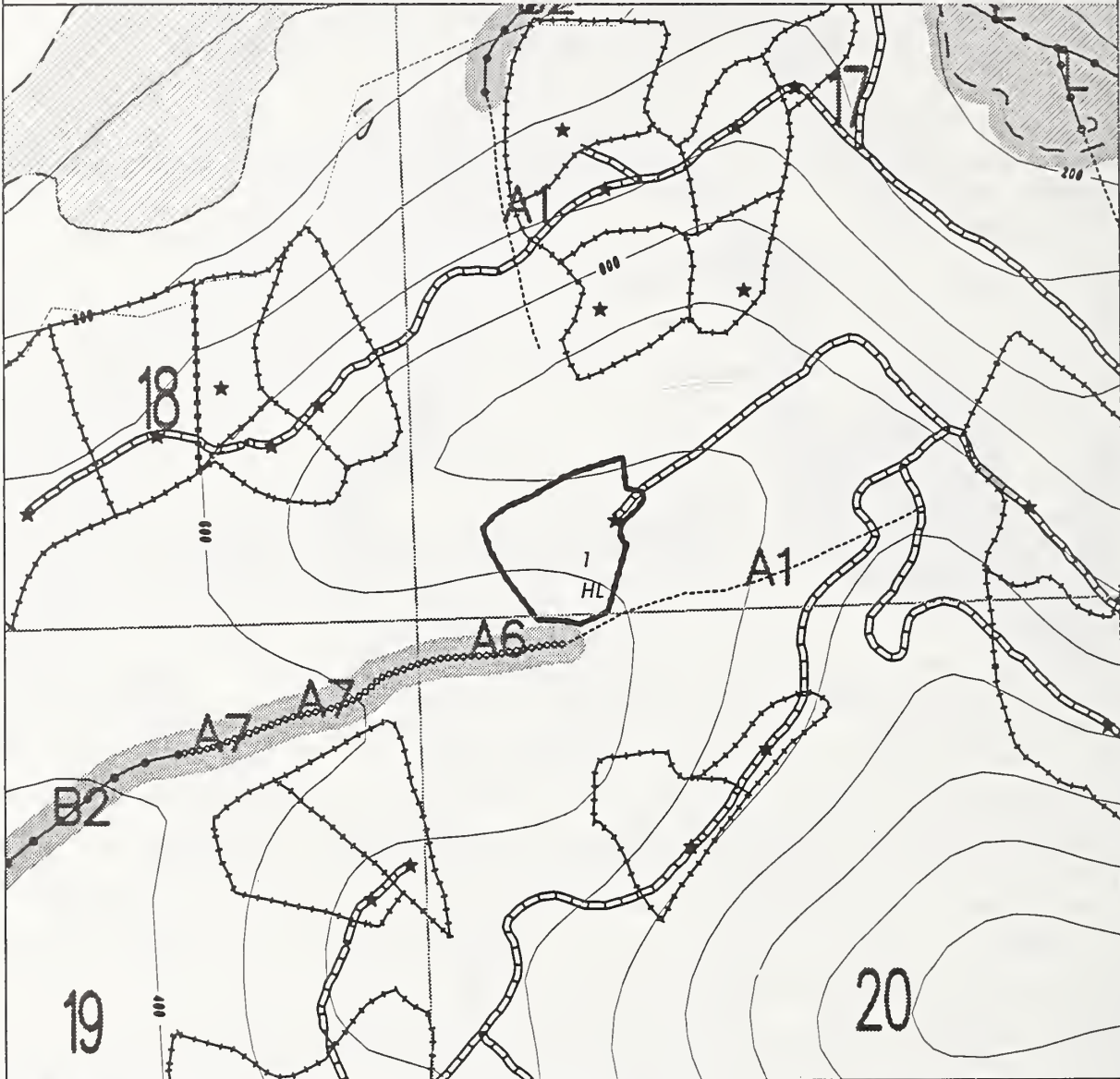
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5003

PLANNED HARVEST UNIT MAP

ACRES: 13 VOLUME: 452 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-84 LANDNET INFO TOWNSHIP 62S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5004</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>72</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2042</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CMM</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-84</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 34 acres VC5 38 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 8 acres 800-1200 ft. 26 acres 1200-1500 ft. 25 acres over 1500 ft. 13 acres
Mass movement index: Low 5 acres Medium 60 acres High 7 acres Very High 0 acres
Cedar 0 Hemlock 72 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 71 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 6 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction on 0.71 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

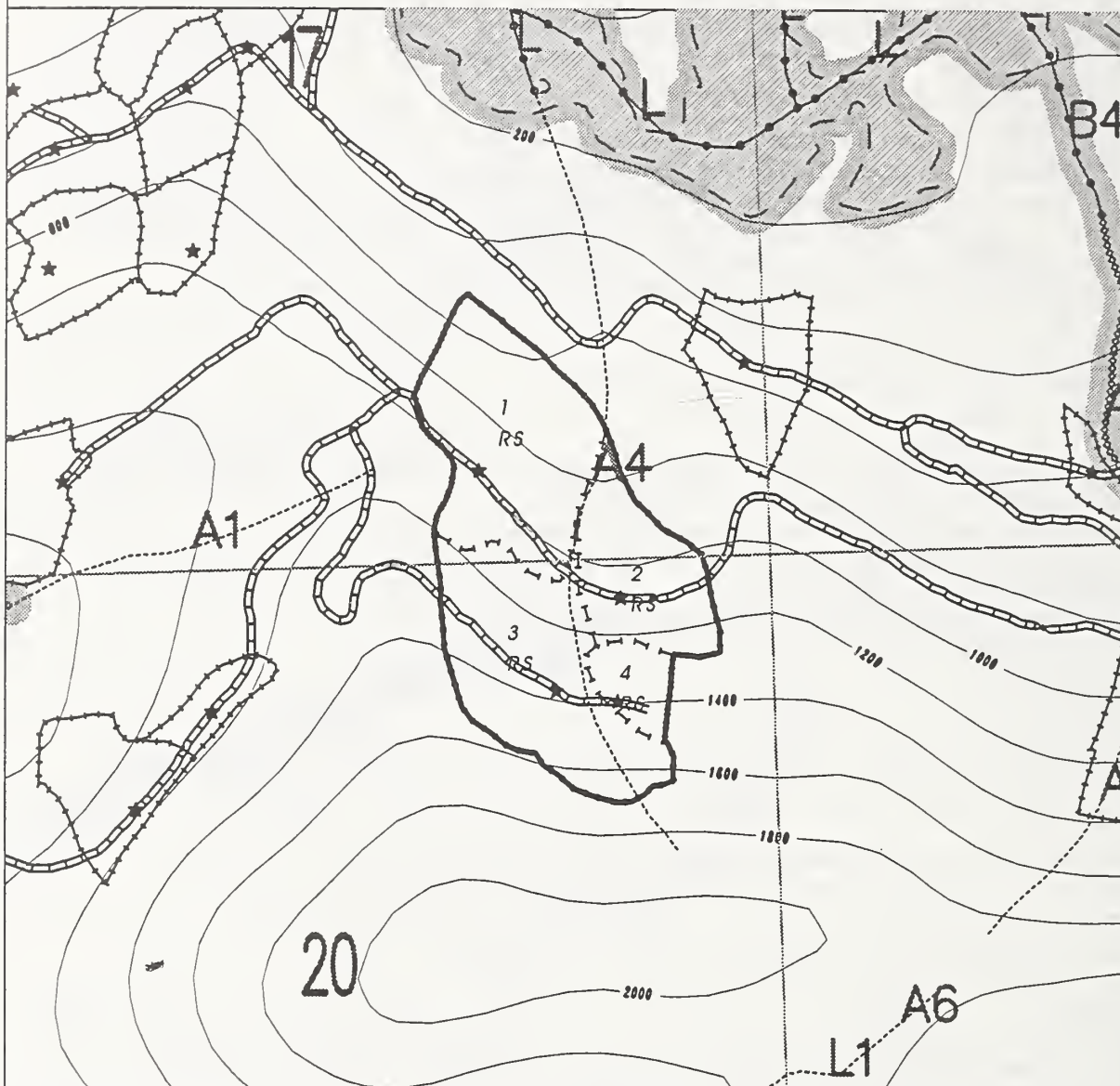
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5004

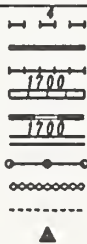
PLANNED HARVEST UNIT MAP

ACRES: 72 VOLUME: 2042 MBP QUAD(s): KYND5 QUARTER QUAD(s): NVS
 PHOTO NUM.: 1179-84 LANDNET INFO TOWNSHIP 69S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

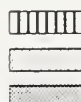
LANDING ★

EAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5005</u>	No. Settings <u>2</u>	Alternatives considered <u>2 3 5</u>	VQO <u>PR</u>
Planned acres <u>15</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>470</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-83</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 15 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 13 acres 1200-1500 ft. 1 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 13 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 15 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 15 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.56 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/W.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

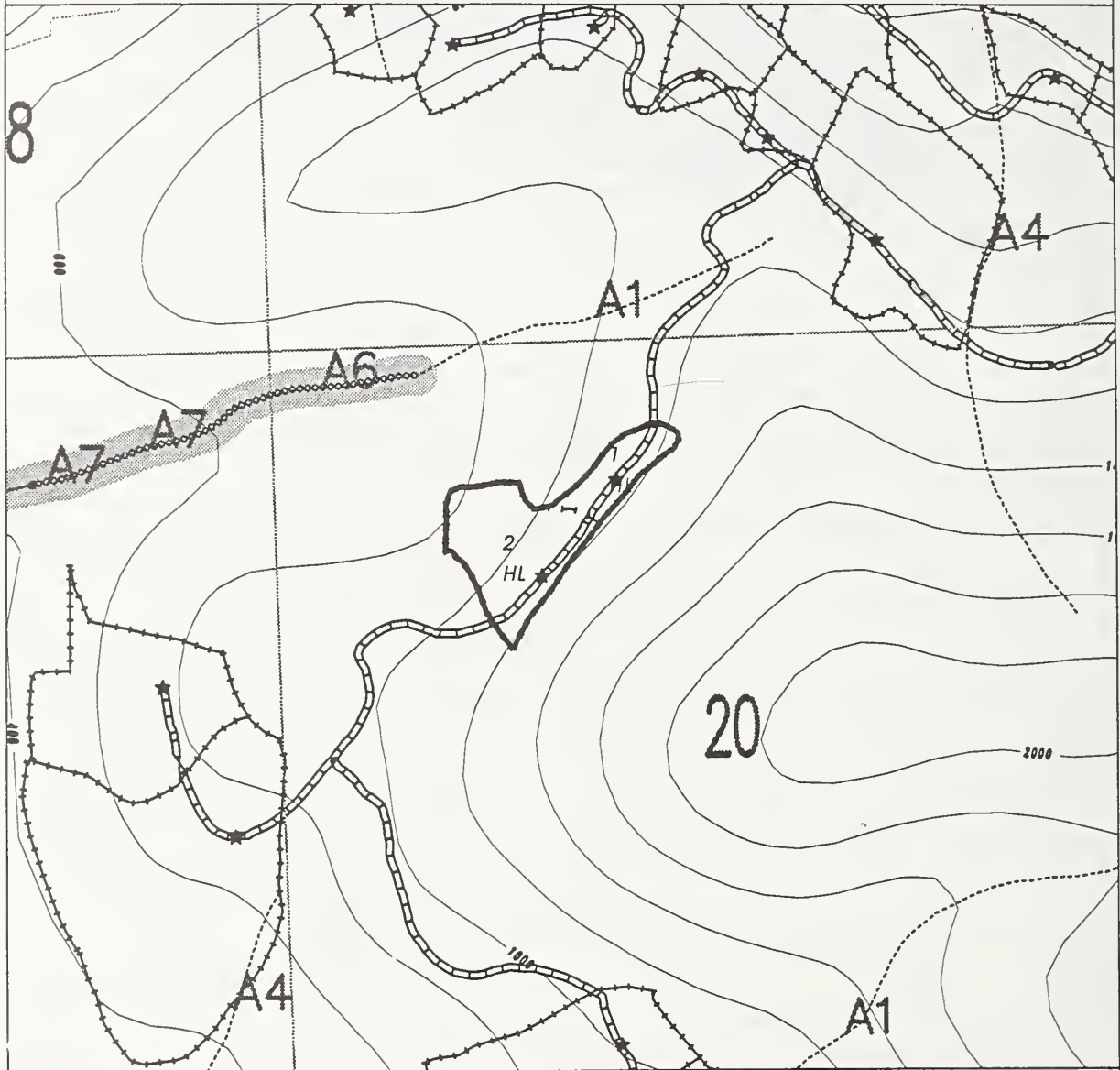
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5005

PLANNED HARVEST UNIT MAP

ACRES: 15 VOLUME: 470 NBP QUAD(s): KTND5 QUARTER QUAD(s): NYS/SVN
 PHOTO NUM.: 1179-83 LANDNET INFO TOWNSHIP 82S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5006</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>23</u>	Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>	
Estimated volume (mbf) <u>848</u>	Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>	
Logging methods <u>HL</u>	WAA <u>510</u>	Forest type <u>Mixed conifer</u>	
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1179-31</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 6 acres VC5 0 acres VC6 17 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 17 acres 800-1200 ft. 6 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 3 acres Medium 4 acres High 16 acres Very High 0 acres
Cedar 0 Hemlock 6 Mixed 17 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 23 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 9 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 2 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/W.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

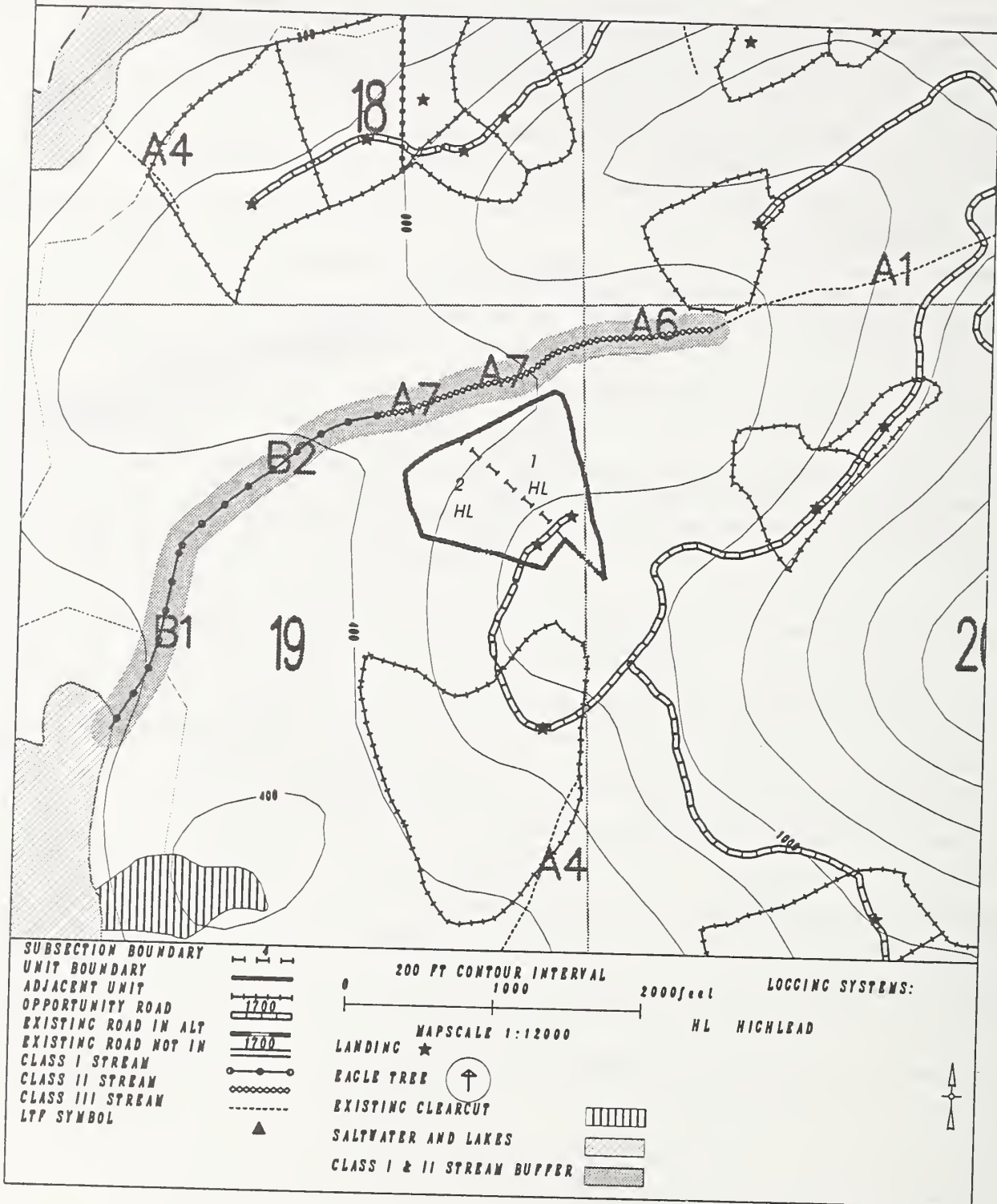
GEOLOGY

There are no geological mitigation measures anticipated for this unit.

PLANNED HARVEST UNIT MAP

ACRES: 23 VOLUME: 848 MBP QUAD(s): KTND5/KTND6 QUARTER QUAD: NE/NE/SW/SE
 PHOTO NUM.: 1179-31 LANDNET INFO TOWNSHIP 69S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5007</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>MR</u>
Planned acres <u>46</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1472</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHC</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-31</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 6 acres VC5 33 acres VC6 7 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 41 acres 800-1200 ft. 2 acres 1200-1500 ft. 0 acres over 1500 ft. 3 acres
Mass movement index: Low 9 acres Medium 12 acres High 25 acres Very High 0 acres
Cedar 0 Hemlock 6 Mixed 40 Percent Seen 0.99 Percent Unseen 0.01 Aspect West

SOILS

This unit has 46 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 24 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 8 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MR as seen from viewpoints within the BEHM/GEDNEY PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

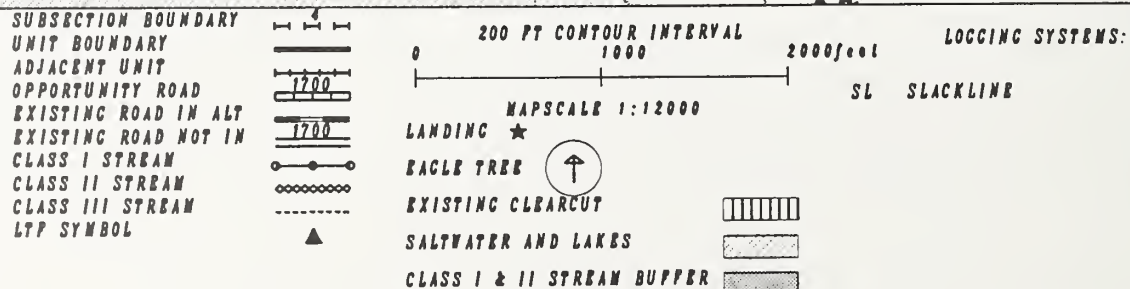
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5007

PLANNED HARVEST UNIT MAP

ACRES: 46 VOLUME: 1472 MBP QUAD(s): KTND5/KTND6 QUARTER QUAD(s): SWH/SEN
 PHOTO NUM.: 1179-31 LANDNET INFO TOWNSHIP 69S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5008</u>	No. Settings <u>2</u>	Alternatives considered <u>2 3 5 6</u>	VQO <u>M</u>
Planned acres <u>62</u>	Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>	
Estimated volume (mbf) <u>1944</u>	Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>	
Logging methods <u>SL RS</u>	WAA <u>510</u>	Forest type <u>Hemlock</u>	
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1179-82</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 62 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 42 acres 800-1200 ft. 20 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 40 acres Medium 22 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 58 Mixed 4 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 62 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

Replanting of yellow and red cedar should be considered.
Recommendation is to perform a prescribed burn after harvest is completed to promote regeneration.
Potentially very low volume per acre.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/GEDNEY PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

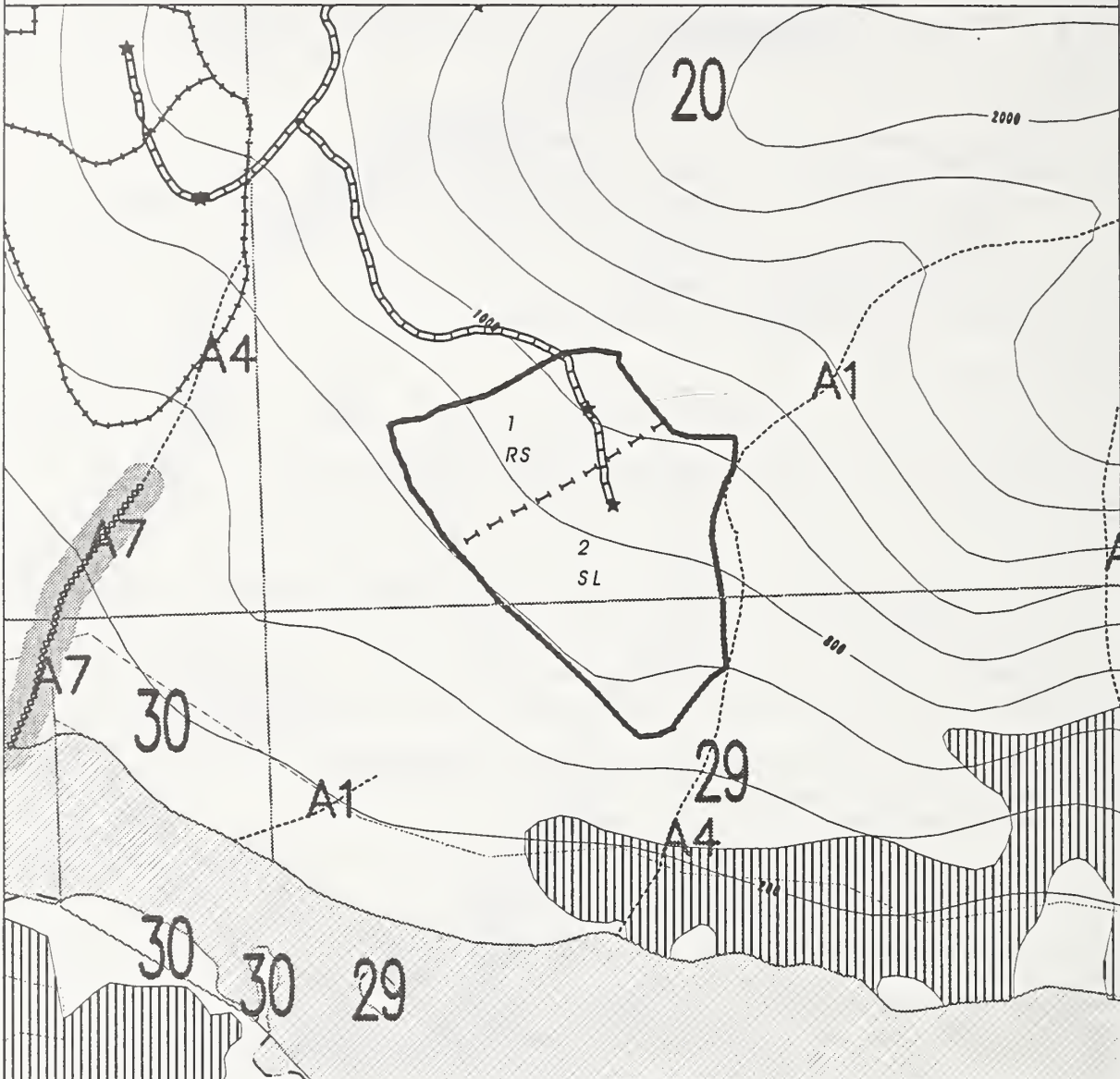
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5008

PLANNED HARVEST UNIT MAP

ACRES: 62 VOLUME: 1944 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-82 LANDNET INFO TOWNSHIP 69S RANGE 90E

Refer to the Logging/Tranoperation Plan overlay for the indicated aerial photograph to supplement the following
 intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (circle with cross)
 EXISTING CLEARCUT

SALTWATER AND LAKES (hatched pattern)
 CLASS I & II STREAM BUFFER (shaded pattern)

LOGGING SYSTEMS:

RS RUNNING SKYLINE
 SL SLACKLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5009</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>24</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>752</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-82</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 24 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 24 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 24 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 7 Mixed 17 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/GEDNEY PASS viewshed, approximately a minimum 1/4 mile from shoreline.

There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

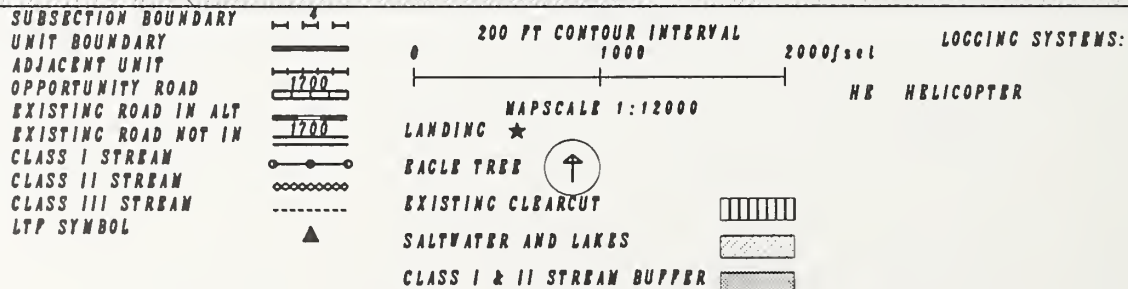
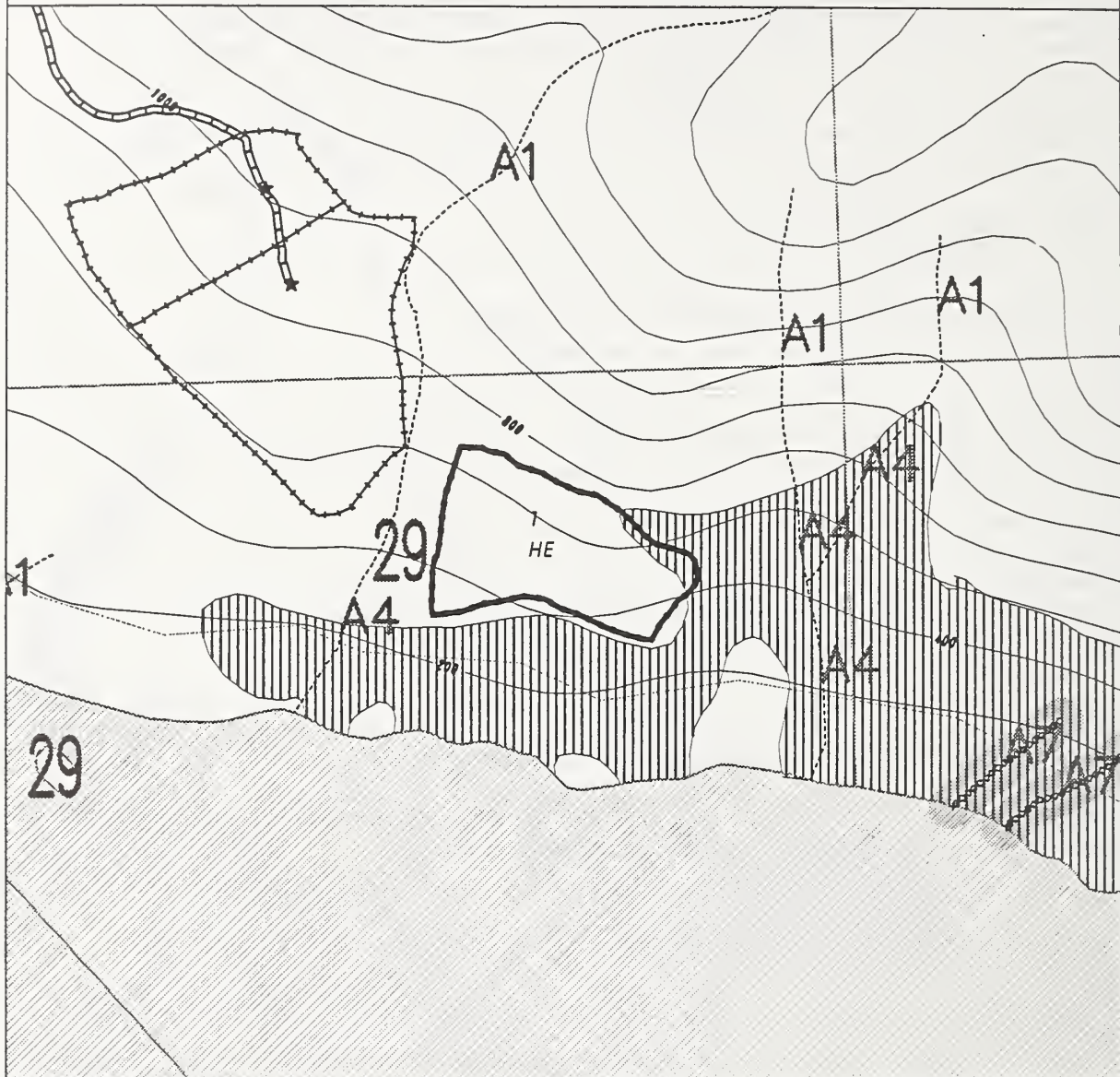
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5009

PLANNED HARVEST UNIT MAP

ACRES: 24 VOLUME: 752 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-82 LANDNET INFO TOWNSHIP R2S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5010</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>12</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>376</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-84</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 12 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 10 acres 800-1200 ft. 2 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 10 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 12 Mixed 0 Percent Seen 0.32 Percent Unseen 0.68 Aspect North

SOILS

This unit has 12 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.12 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

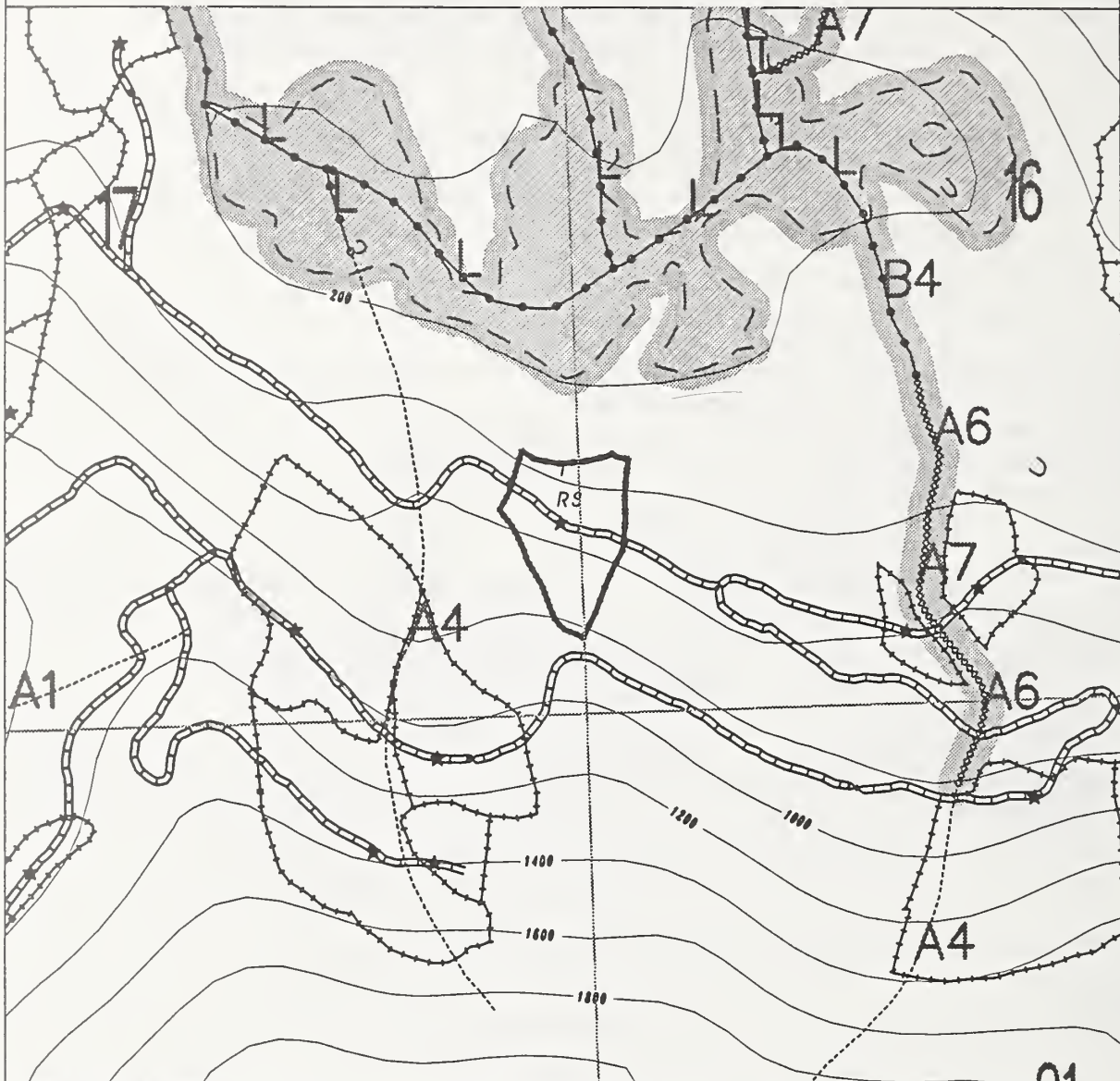
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5010

PLANNED HARVEST UNIT MAP

ACRES: 12 VOLUME: 376 MBF QUAD(s): KYND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-84 LANDNET INFO TOWNSHIP 62S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LPP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5011</u>	No. Settings <u>3</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>88</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2760</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CMM</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-91</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 88 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 34 acres 800-1200 ft. 30 acres 1200-1500 ft. 23 acres over 1500 ft. 1 acres
Mass movement index: Low 5 acres Medium 83 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 88 Mixed 0 Percent Seen 0.81 Percent Unseen 0.19 Aspect North

SOILS

This unit has 88 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 19 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction on 0.51 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a B4 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
This unit will need boundary modification by a landscape architect to meet the adopted VQO for this project.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

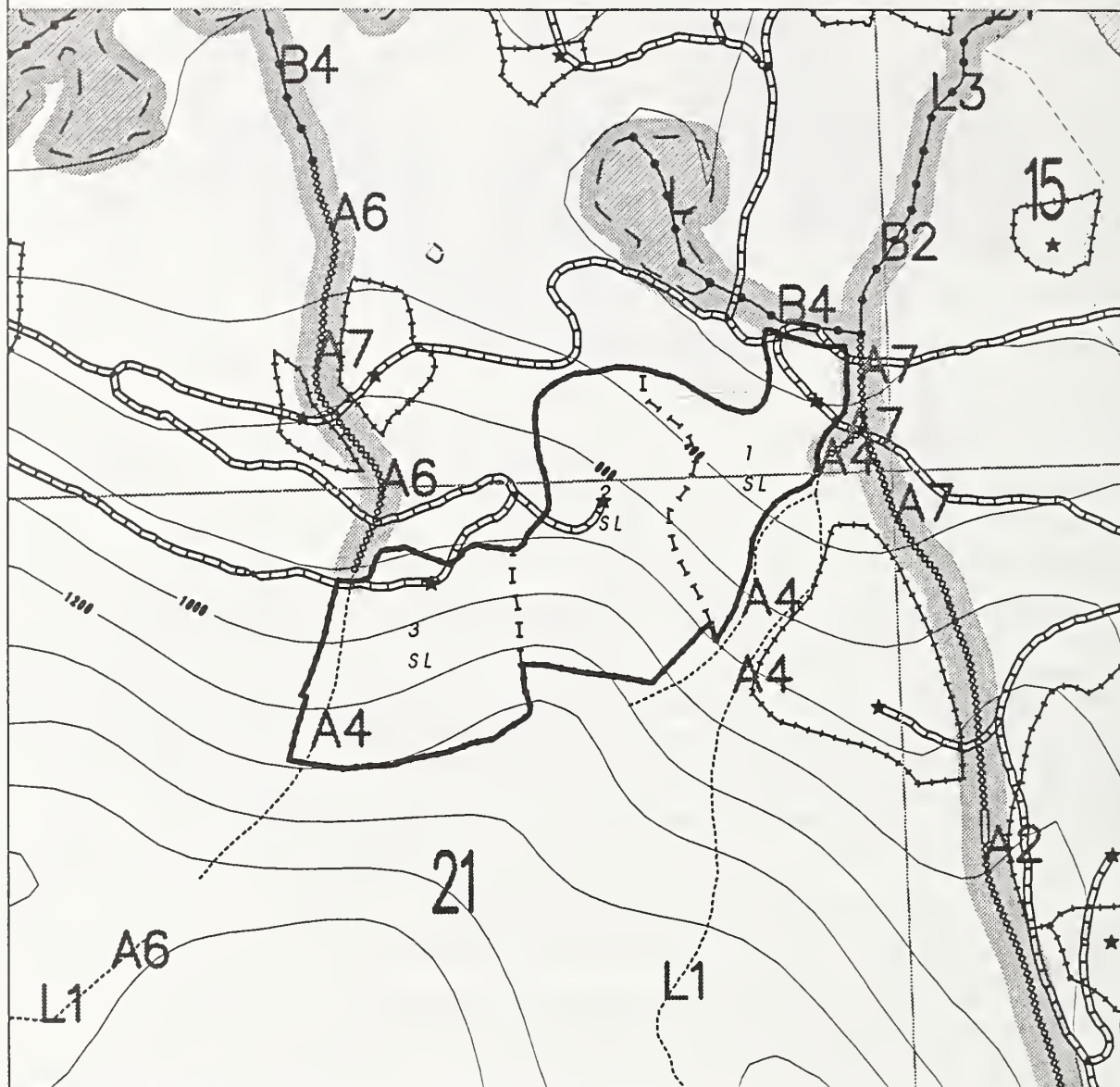
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5011

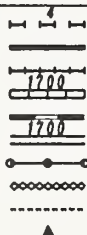
PLANNED HARVEST UNIT MAP

ACRES: 88 VOLUME: 2760 MBP QUAD(s): KPNDS QUARTER QUAD(s): NYS/SWN
 PHOTO NUM.: 1179-91 LANDNET INFO TOWNSHIP 62S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 BACLE TREE (upward arrow)
 EXISTING CLEARCUT (hatched box)
 SALTWATER AND LAKES (dotted box)
 CLASS I & II STREAM BUFFER (stippled box)

LOGGING SYSTEMS:

SL SLACKLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5012</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>11</u>	Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>	
Estimated volume (mbf) <u>339</u>	Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHC</u>	
Logging methods <u>HL</u>	WAA <u>510</u>	Forest type <u>Hemlock</u>	
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1179-90</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 1 acres VC5 10 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 11 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 4 acres High 6 acres Very High 0 acres
Cedar 0 Hemlock 11 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect East

SOILS

This unit has 11 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 6 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a B4 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.
Oversteepened slopes may require full bench construction on 0.12 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5012

PLANNED HARVEST UNIT MAP

ACRES: 11 VOLUME: 339 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-90 LANDNET INFO TOWNSHIP 62S RANGE 20E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.

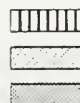


SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:
 HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5013</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u>	VQO <u>R</u>
Planned acres <u>46</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1316</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-90</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 20 acres VC5 26 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 43 acres 800-1200 ft. 3 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 17 acres High 29 acres Very High 0 acres
Cedar 0 Hemlock 46 Mixed 0 Percent Seen 0.99 Percent Unseen 0.01 Aspect East

SOILS

This unit has 46 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 23 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potentially very low volume per acre.

ENGINEERING

Oversteepened slopes may require full bench construction on 0.18 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
This unit will need boundary modification by a landscape architect to meet the adopted VQO for this project.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

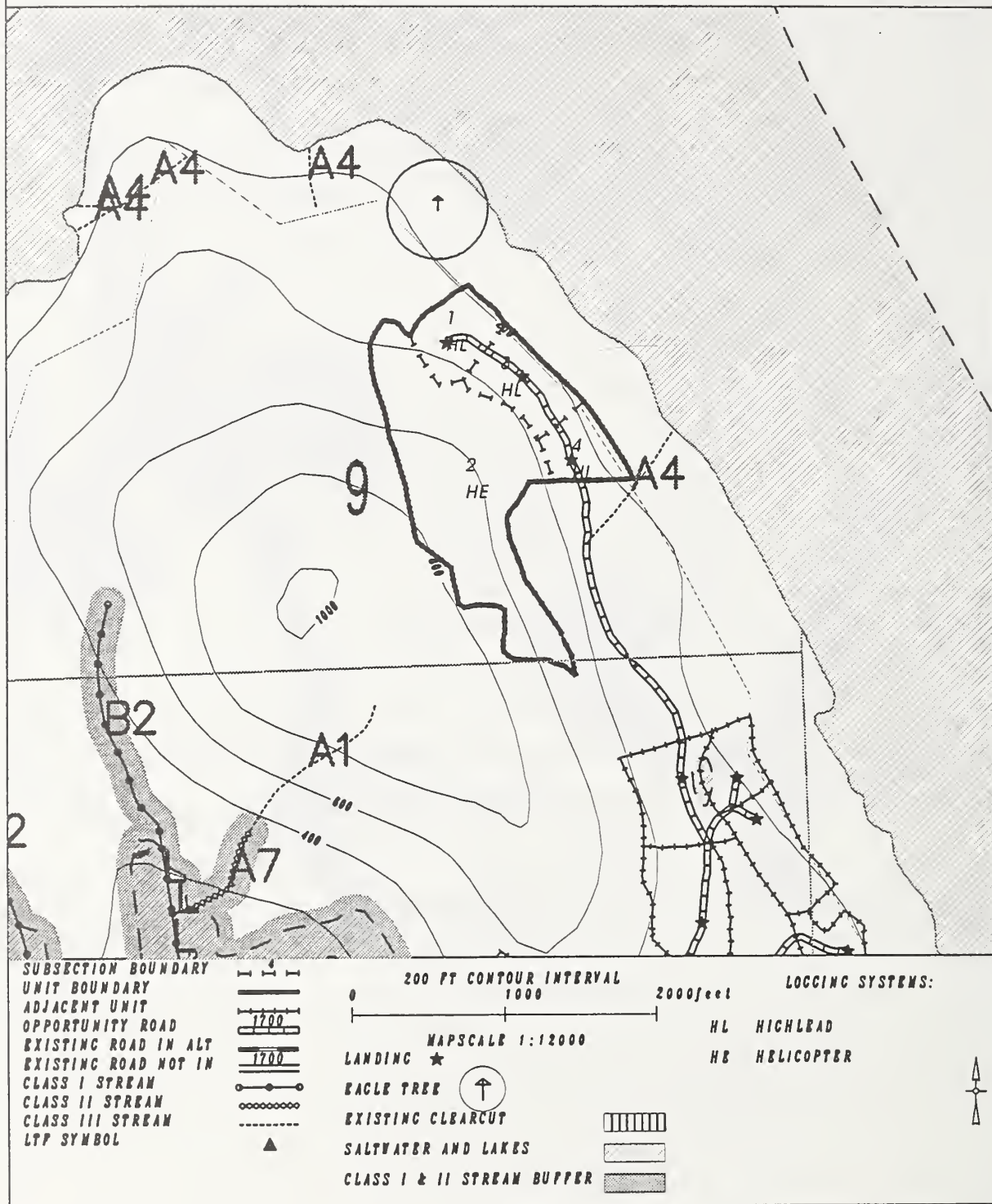
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5013

PLANNED HARVEST UNIT MAP

ACRES: 46 VOLUME: 1318 MBP QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-90 LANDNET INFO TOWNSHIP 62S RANGE 82E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5014</u>	No. Settings <u>6</u>	Alternatives considered <u>2</u>	VQO <u>R</u>
Planned acres <u>50</u>	Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>	
Estimated volume (mbf) <u>1391</u>	Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>	
Logging methods <u>HL</u>	WAA <u>510</u>	Forest type <u>Hemlock</u>	
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1179-90</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 32 acres VC5 18 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 50 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 3 acres Medium 13 acres High 34 acres Very High 0 acres
Cedar 0 Hemlock 50 Mixed 0 Percent Seen 0.64 Percent Unseen 0.36 Aspect South

SOILS

This unit has 50 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 28 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potentially very low volume per acre.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a B4 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.
Oversteepened slopes may require full bench construction on 0.03 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
This unit is immediately adjacent to a B1 stream. No harvest within 100 feet and partial cut 100-200 feet of stream.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
This unit will need boundary modification by a landscape architect to meet the adopted VQO for this project.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

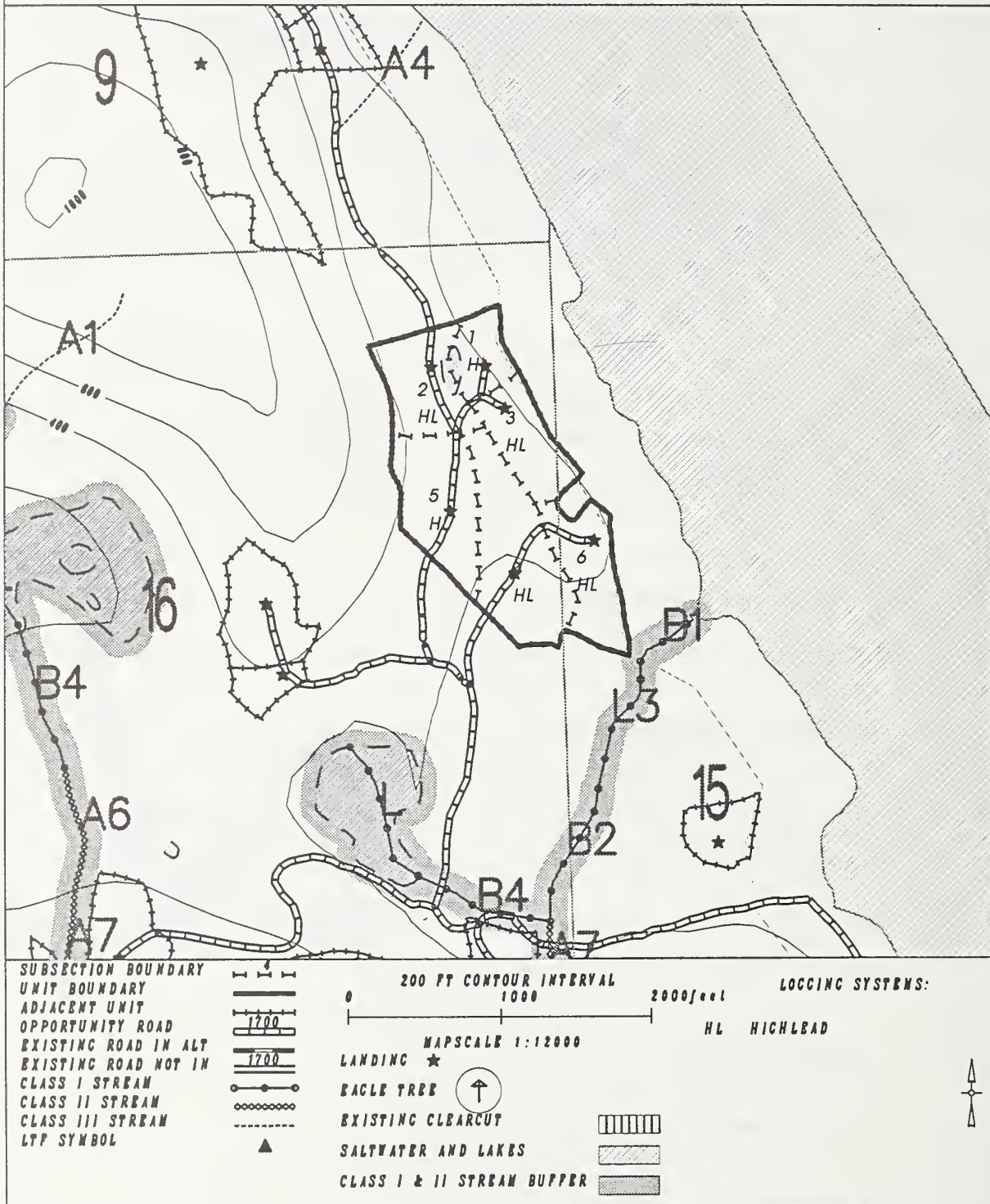
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5014

PLANNED HARVEST UNIT MAP

ACRES: 50 VOLUME: 1391 MBP QUAD(s): KTND5 QUARTER QUAD(s): NVS
 PHOTO NUM.: 1179-90 LANDNET INFO TOWNSHIP 82S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5015</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>R</u>
Planned acres <u>4</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>100</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-90</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 4 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 4 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 4 acres Very High 0 acres
Cedar 0 Hemlock 4 Mixed 0 Percent Seen 0.28 Percent Unseen 0.72 Aspect North

SOILS

This unit has 4 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction on 0.28 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nestsite is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/N.HASSLER viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

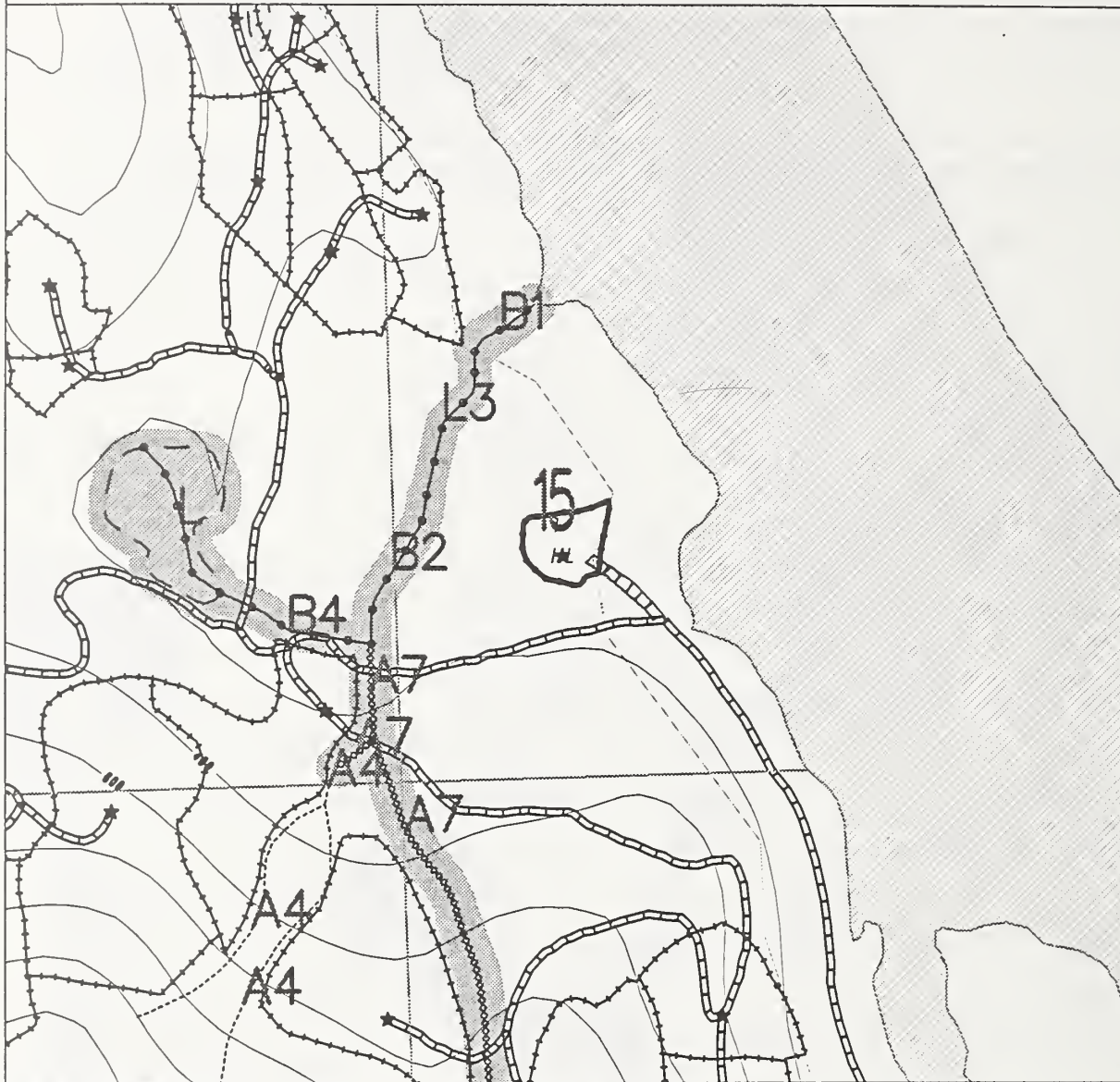
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5015

PLANNED HARVEST UNIT MAP

ACRES: 4 VOLUME: 100 MBP QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-90 LANDNET INFO TOWNSHIP 89S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

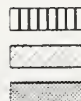
LANDING ★

EAGLE TREE

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5016</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>24</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>658</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-91</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 15 acres VC5 9 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 15 acres 800-1200 ft. 9 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 24 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 24 Mixed 0 Percent Seen 0.84 Percent Unseen 0.16 Aspect North

SOILS

This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

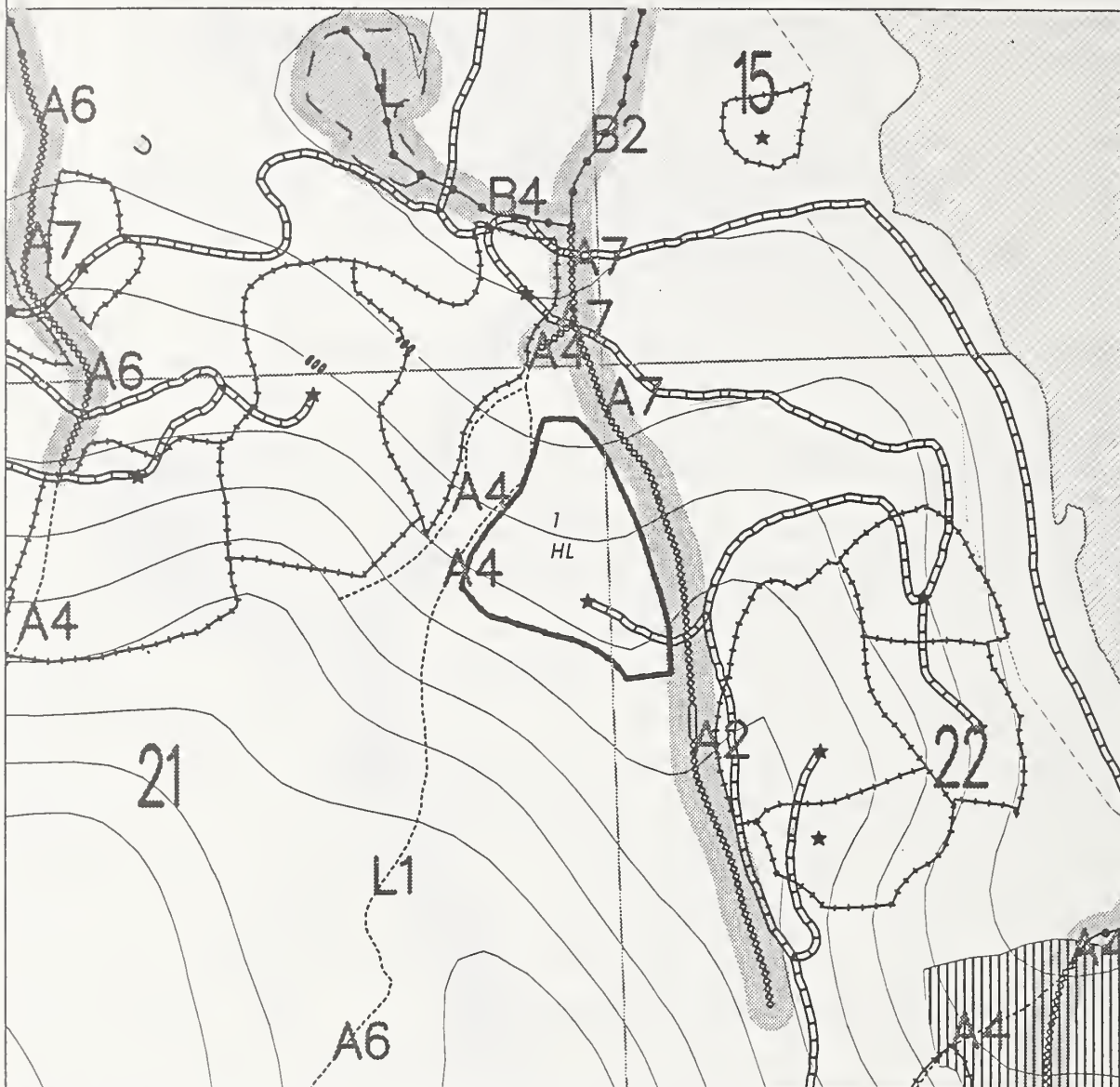
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5016

PLANNED HARVEST UNIT MAP

ACRES: 24 VOLUME: 658 MBP QUAD(s): KTND5 QUARTER QUAD(s): NWS/SWN
 PHOTO NUM.: 1179-91 LANDNET INFO TOWNSHIP R2S RANGE R2E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (up arrow in circle)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5017</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>66</u>	Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>	
Estimated volume (mbf) <u>1935</u>	Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>	
Logging methods <u>RS LS</u>	WAA <u>510</u>	Forest type <u>Hemlock</u>	
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1179-91</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 21 acres VC5 45 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 35 acres 800-1200 ft. 31 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 19 acres High 45 acres Very High 0 acres
Cedar 0 Hemlock 66 Mixed 0 Percent Seen 0.96 Percent Unseen 0.04 Aspect West

SOILS

This unit has 65 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 27 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.57 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.

Immediately adjacent to a A2 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the S.HASSLER PASS viewshed, approximately a minimum 1/4 mile from shoreline.
This unit will need boundary modification by a landscape architect to meet the adopted VQO for this project.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

VCU: 7350 UNIT NUMBER: 5017

ACRES: 66 VOLUME: 1935 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS/SWN
 PHOTO NUM.: 1179-91 LANDNET INFO TOWNSHIP 69S RANGE 90E

CLASS I & II STREAM BUFFER

RS RUNNING SKYLINE
LS LIVE SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5018</u>	No. Settings <u>3</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>PR</u>
Planned acres <u>73</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2105</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>SL RS</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Cedar</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-92</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 29 acres VC5 44 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 4 acres 800-1200 ft. 12 acres 1200-1500 ft. 23 acres over 1500 ft. 34 acres
Mass movement index: Low 7 acres Medium 16 acres High 50 acres Very High 0 acres
Cedar 29 Hemlock 33 Mixed 11 Percent Seen 0.30 Percent Unseen 0.70 Aspect North

SOILS

This unit has 73 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 3 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
Oversteepened slopes may require full bench construction on 0.21 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the S.HASSLER PASS viewshed, approximately a minimum 1/4 mile from shoreline.
This unit will need boundary modification by a landscape architect to meet the adopted VQO for this project.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

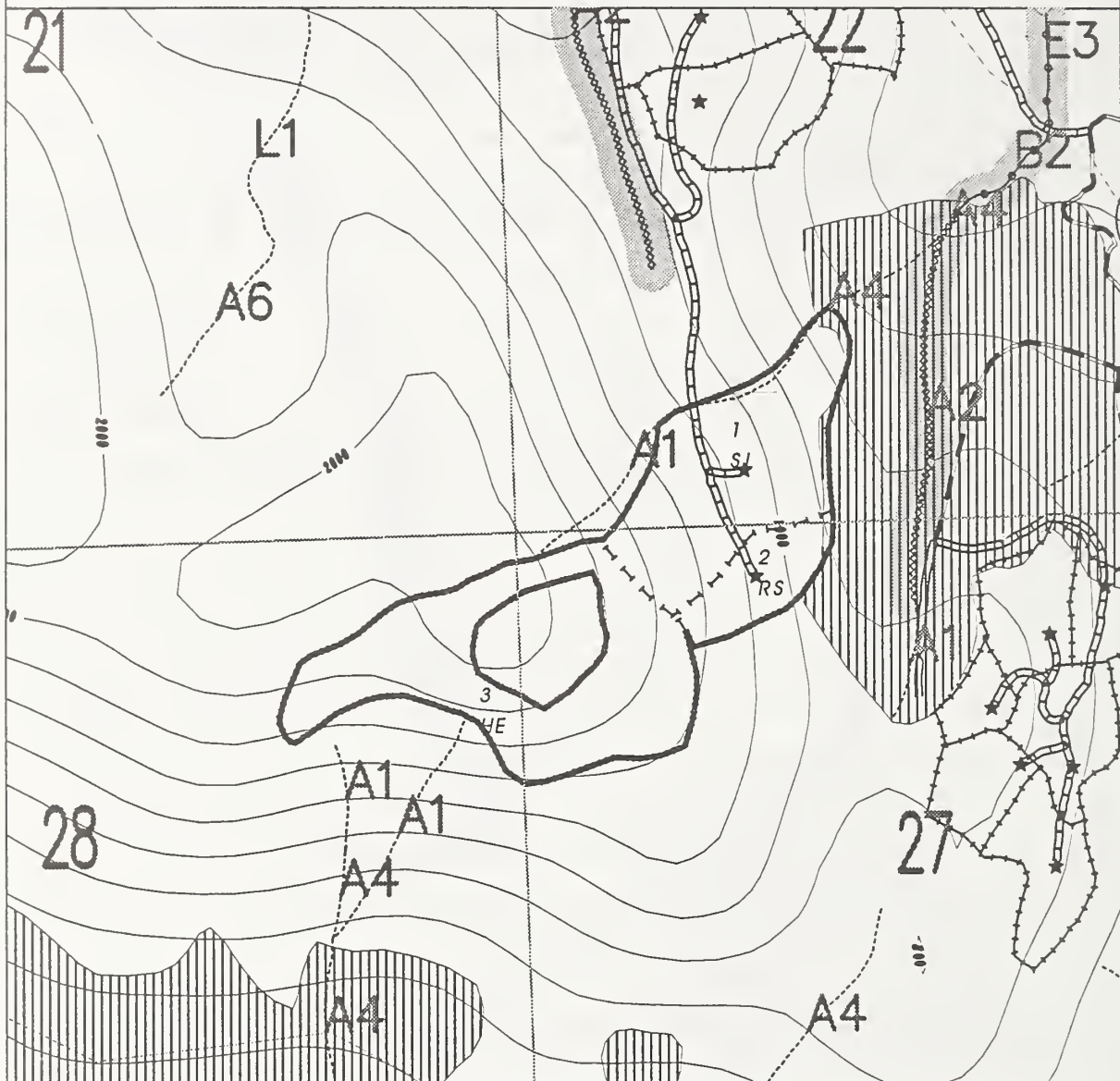
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5018

PLANNED HARVEST UNIT MAP

ACRES: 73 VOLUME: 2105 MBF QUAD(s): KYNDS QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-92 LANDNET INFO TOWNSHIP 89S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE
 RS RUNNING SKYLINE
 HB HELICOPTER



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5019</u>	No. Settings <u>4</u>	Alternatives considered <u>2 4 5</u>	VQO <u>PR</u>
Planned acres <u>41</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1142</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-93</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 41 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 24 acres 800-1200 ft. 18 acres 1200-1500 ft. 6 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 27 acres High 0 acres Very High 9 acres
Cedar 0 Hemlock 41 Mixed 0 Percent Seen 0.61 Percent Unseen 0.39 Aspect East

SOILS

This unit has 41 acres that may require partial or full suspension (BMP 13.9)
This unit has very high mass movement index soils.
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 18 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction on 0.34 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the S.HASSLER PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

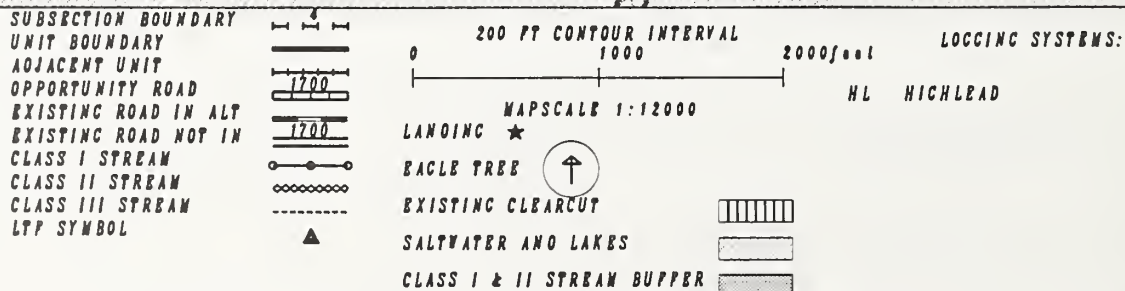
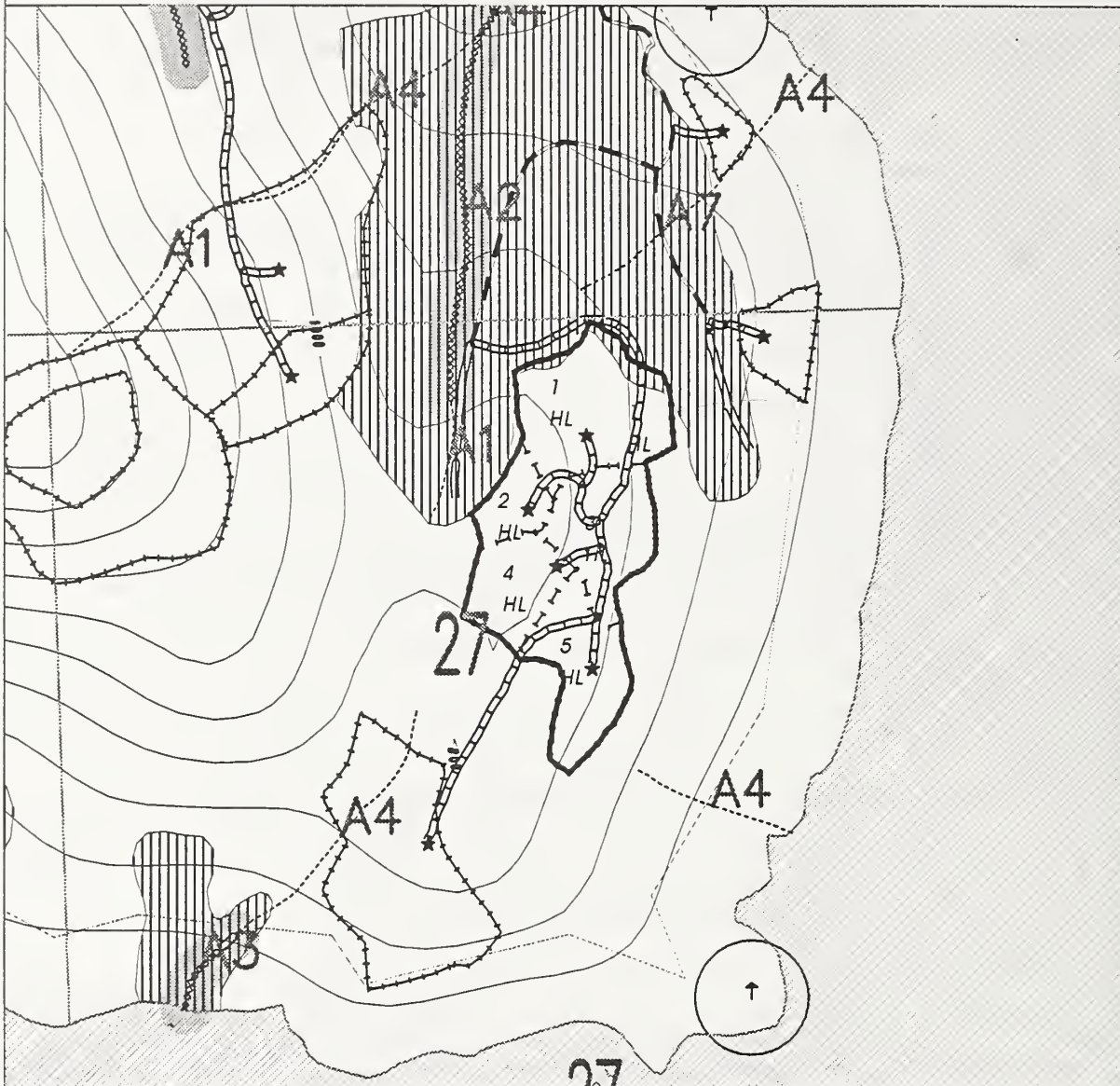
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5019

PLANNED HARVEST UNIT MAP

ACRES: 41 VOLUME: 1289 MBP QUAD(s): KTNOS QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-93 LANDNET INFO TOWNSHIP 69S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5020</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>13</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>408</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-14</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 13 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 13 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 13 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 13 Mixed 0 Percent Seen 0.93 Percent Unseen 0.07 Aspect East

SOILS

This unit has 13 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction on 0.09 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nestsite is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the S.HASSLER PASS viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

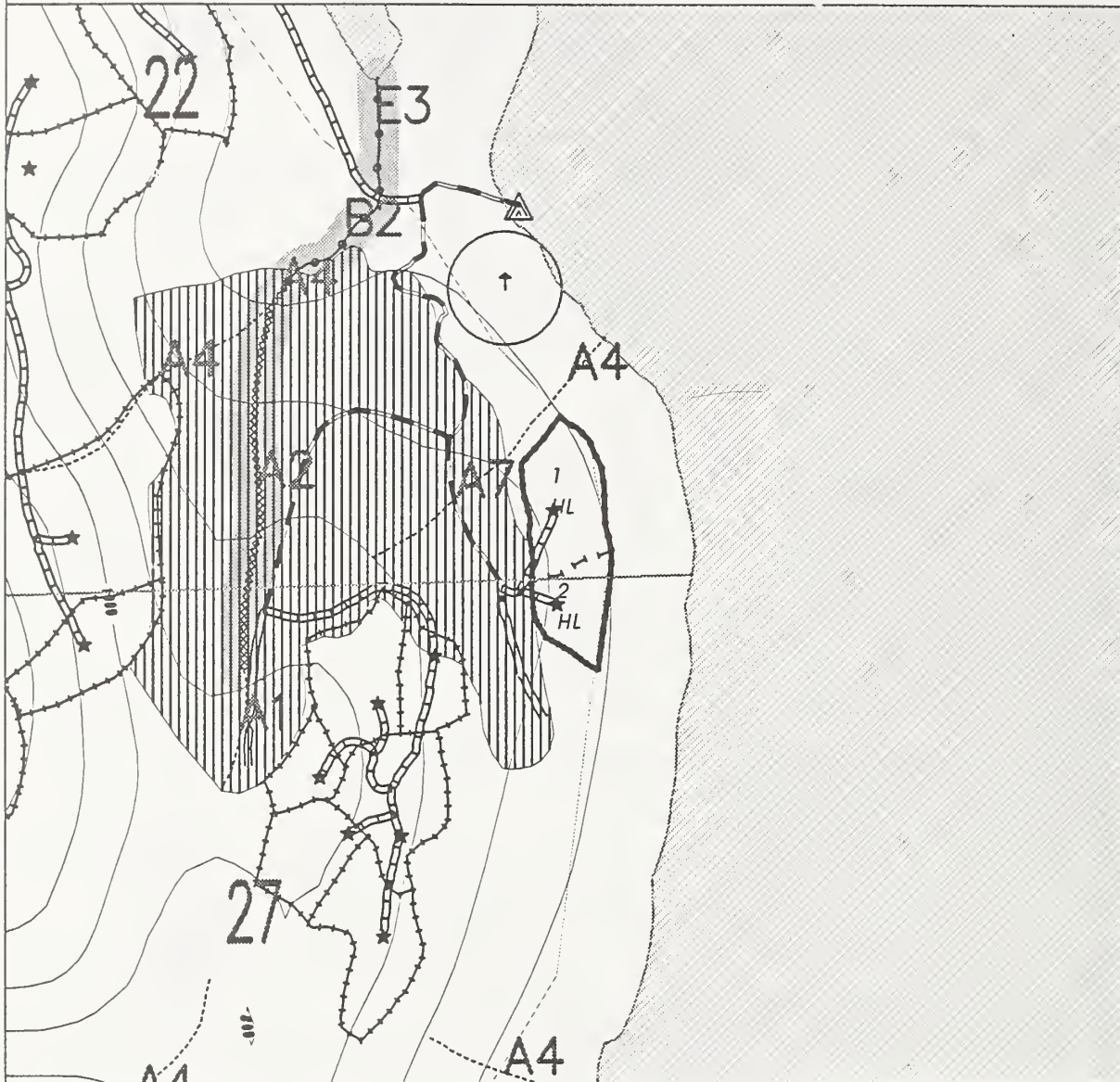
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5020

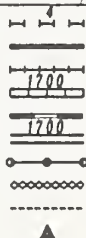
PLANNED HARVEST UNIT MAP

ACRES: 13 VOLUME: 408 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-14 LANDNET INFO TOWNSHIP 82S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following
 intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

BACLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLAND



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5021</u>	No. Settings <u>1</u>	Alternatives considered <u>2 4 5</u>	VQO <u>PR</u>
Planned acres <u>3</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>75</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Shelter wood</u>		1979 Photo <u>1179-90</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 3 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 3 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 3 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 3 Mixed 0 Percent Seen 0.72 Percent Unseen 0.28 Aspect North

SOILS

This unit has 3 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

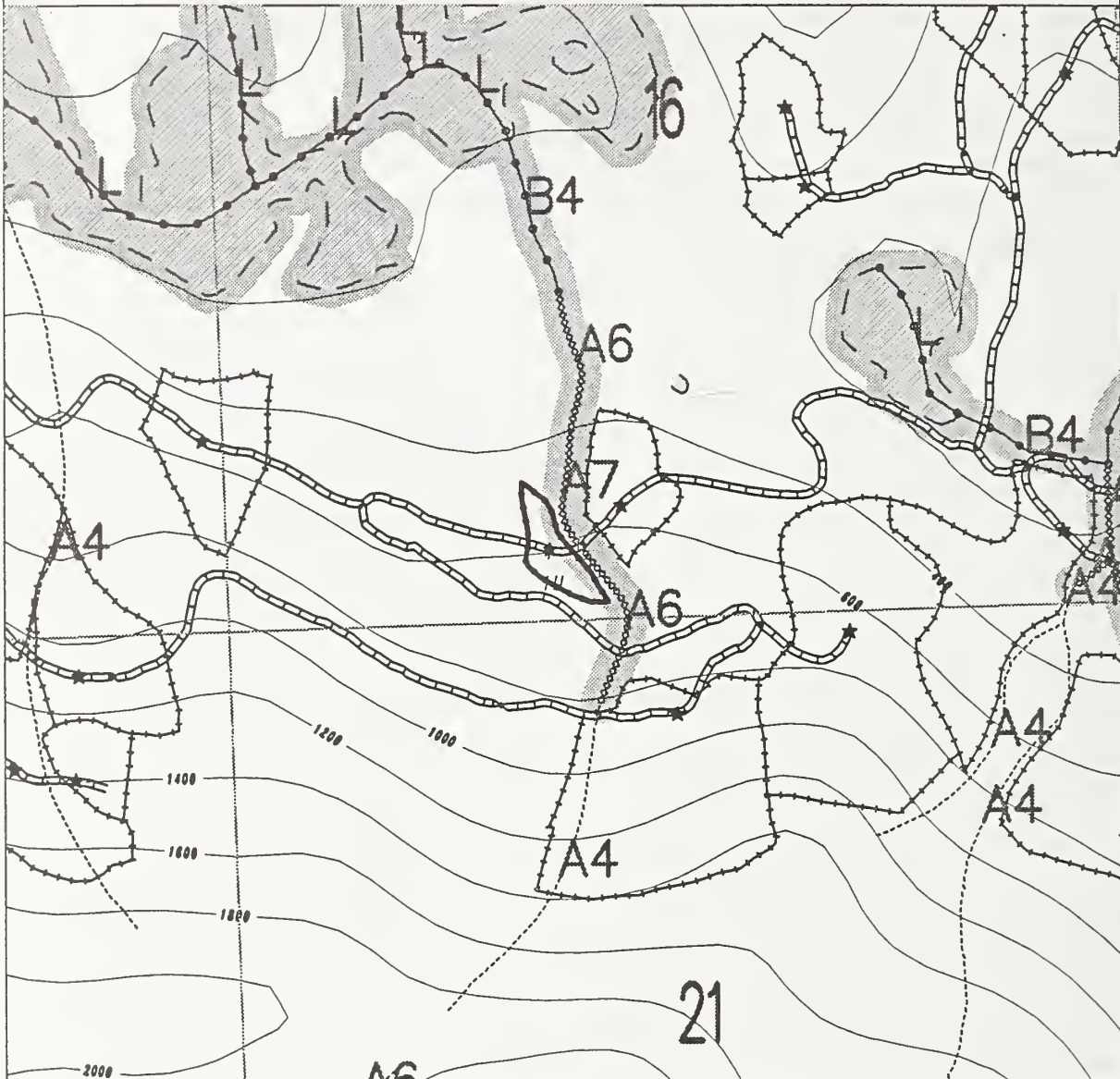
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5021

PLANNED HARVEST UNIT MAP

ACRES: 3 VOLUME: 75 MBP QUAD(s): KTND5 QUARTER QUAD(s): NYS
 PHOTO NUM.: 1179-90 LANDNET INFO TOWNSHIP 62S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE ↑
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5022</u>	No. Settings <u>1</u>	Alternatives considered <u>2 3 4 5 6</u>	VQO <u>PR</u>
Planned acres <u>7</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>175</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-90</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 7 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 7 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 7 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 7 Mixed 0 Percent Seen 0.66 Percent Unseen 0.34 Aspect North

SOILS

This unit has 7 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

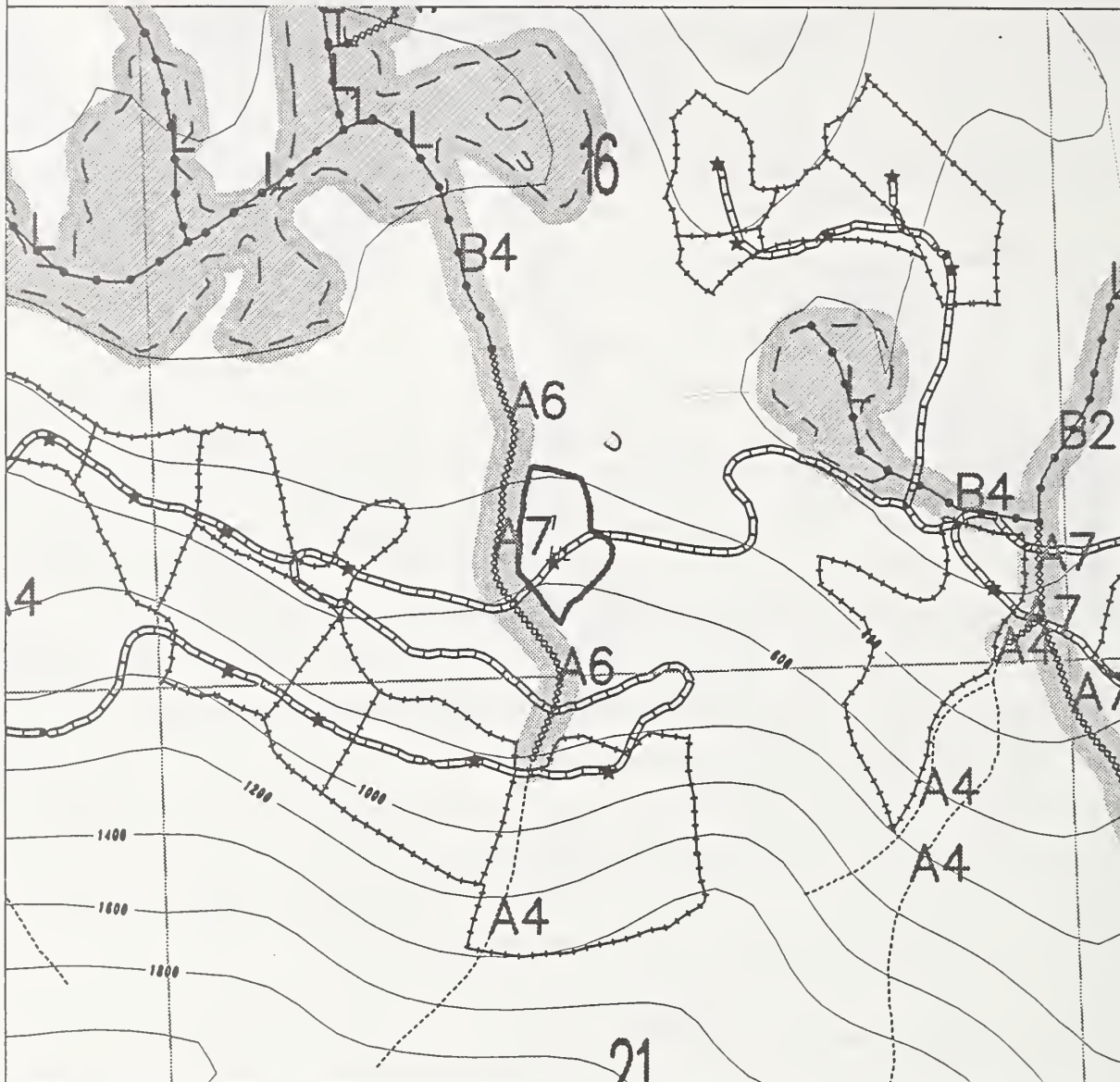
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5022

PLANNED HARVEST UNIT MAP

ACRES: 7 VOLUME: 175 MBP QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-90 LANDNET INFO TOWNSHIP 82S RANGE 20R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL

0 1000 2000 feet

MAPSCALE 1:12000

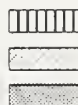
LANDING ★

EAGLE TREE (symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5023</u>	No. Settings <u>1</u>	Alternatives considered <u>2 4</u>	VQO <u>PR</u>
Planned acres <u>101</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>3033</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHC</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-35</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 21 acres VC5 80 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 7 acres 800-1200 ft. 27 acres 1200-1500 ft. 35 acres over 1500 ft. 32 acres
Mass movement index: Low 95 acres Medium 0 acres High 6 acres Very High 0 acres
Cedar 0 Hemlock 98 Mixed 3 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has 101 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 93 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a B4 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Maintain diversity within unit by leaving 1-5 acre-sized islands of green trees at a rate of 1 acre of island for every 20 acre harvested. Leave islands must be compatible with logging system and safe working conditions.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/GEDNEY PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

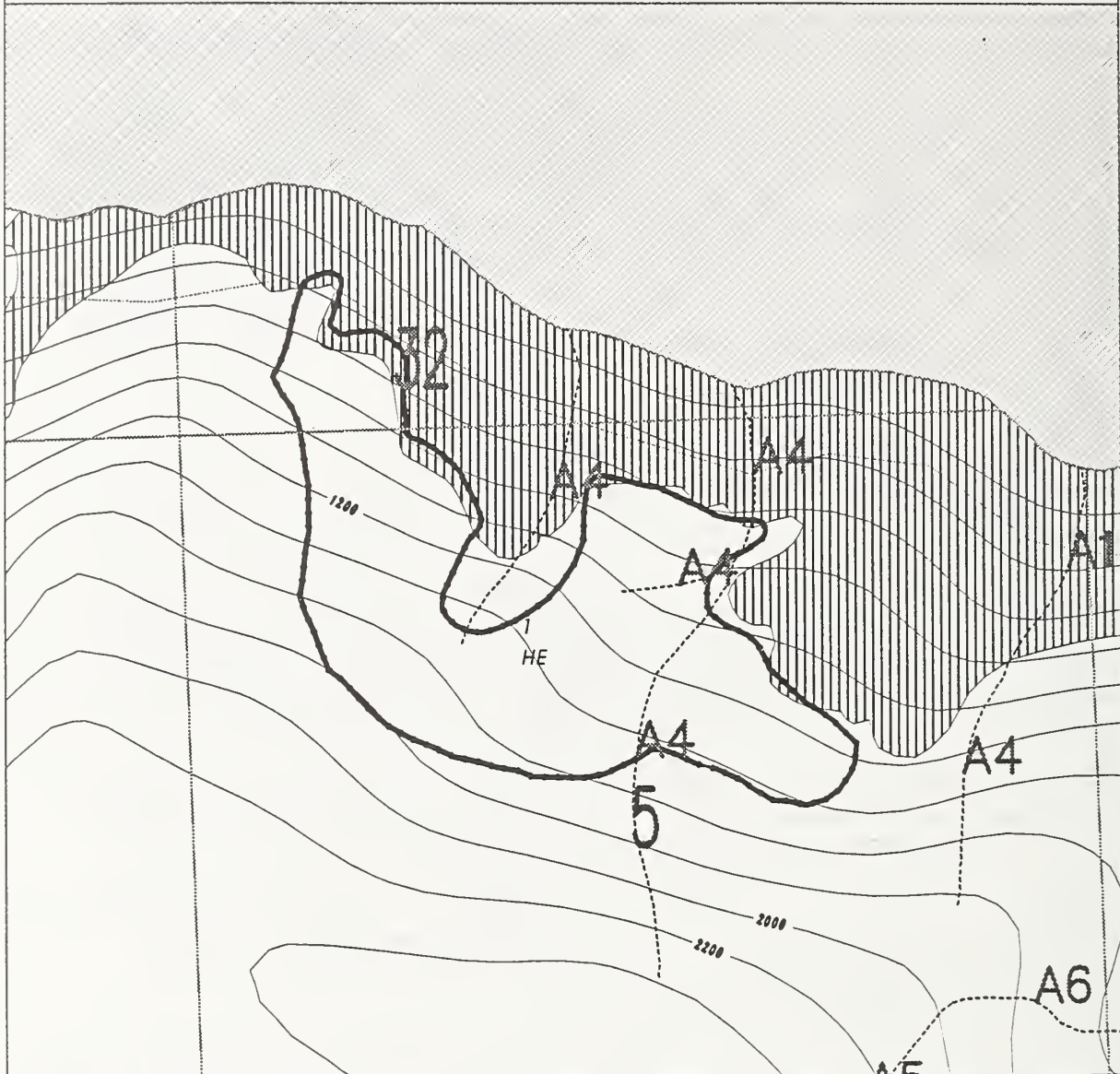
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5023

PLANNED HARVEST UNIT MAP

ACRES: 101 VOLUME: 3033 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWH
 PHOTO NUM.: 1179-35 LANDNET INFO TOWNSHIP R9S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

BAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5024</u>	No. Settings <u>2</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>PR</u>
Planned acres <u>67</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2333</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCD</u>
Logging methods <u>SL RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-31</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 6 acres VC5 33 acres VC6 28 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 57 acres 800-1200 ft. 4 acres 1200-1500 ft. 0 acres over 1500 ft. 6 acres
Mass movement index: Low 14 acres Medium 12 acres High 41 acres Very High 0 acres
Cedar 0 Hemlock 6 Mixed 61 Percent Seen 1.00 Percent Unseen 0.00 Aspect West

SOILS

This unit has 21 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 41 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 12 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/W.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5024

PLANNED HARVEST UNIT MAP

ACRES: 67 VOLUME: 2333 MBF QUAD(s): KTND5/KTND6 QUARTER QUAD: NE/SW/N/SE
 PHOTO NUM.: 1179-31 LANDNET INFO TOWNSHIP 62S RANGE 92E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LANDING ★
 EAGLE TREE ⊕
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 SL SLACKLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5025</u>	No. Settings <u>4</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>R</u>
Planned acres <u>33</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>934</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHC</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-84</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 16 acres VC5 17 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 15 acres 800-1200 ft. 22 acres 1200-1500 ft. 4 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 33 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 25 Mixed 8 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 8 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 24 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/W.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
Additional design layout by a landscape architect may be required to meet the adopted VQO.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

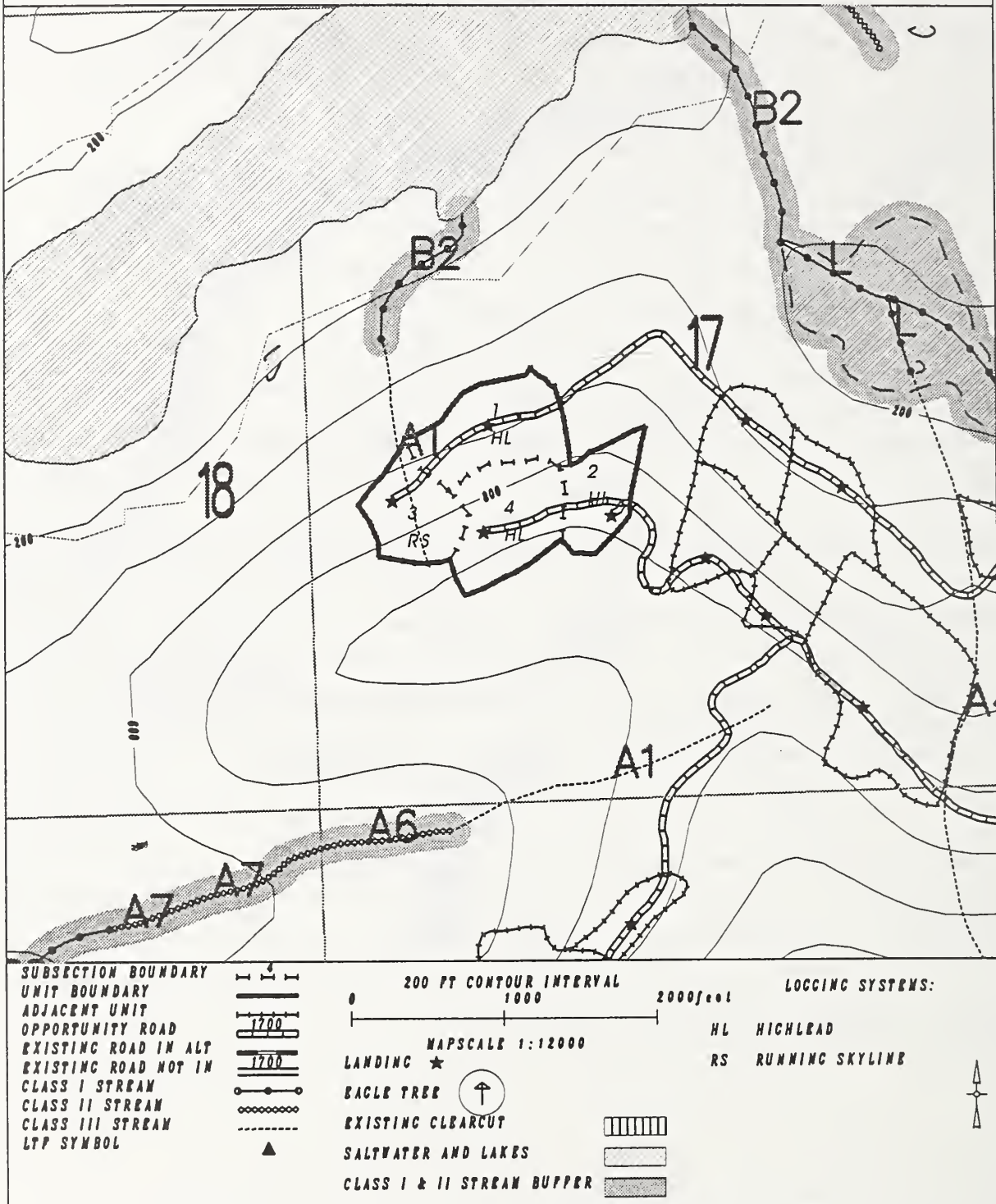
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5025

PLANNED HARVEST UNIT MAP

ACRES: 33 VOLUME: 934 MBF QUAD(s): KTND5 QUARTER QUAD(s): NYS
 PHOTO NUM.: 1179-84 LANDNET INFO TOWNSHIP 89S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5026</u>	No. Settings <u>5</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>PR</u>
Planned acres <u>58</u>		Quad <u>KIND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1815</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CMM</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-84</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 1 acres VC5 57 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 28 acres 800-1200 ft. 28 acres 1200-1500 ft. 2 acres over 1500 ft. 0 acres
Mass movement index: Low 8 acres Medium 50 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 58 Mixed 0 Percent Seen 0.83 Percent Unseen 0.17 Aspect North

SOILS

This unit has 32 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

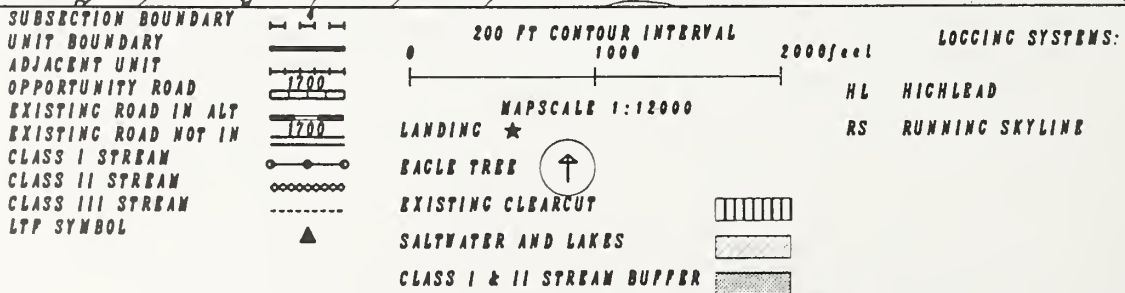
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5026

PLANNED HARVEST UNIT MAP

ACRES: 58 VOLUME: 1815 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-84 LANDNET INFO TOWNSHIP 89S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5027</u>	No. Settings <u>7</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>PR</u>
Planned acres <u>103</u>		Quad <u>KINDSNWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>3229</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CMM</u>
Logging methods <u>HL SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-84</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 103 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 36 acres 800-1200 ft. 48 acres 1200-1500 ft. 18 acres over 1500 ft. 1 acres
Mass movement index: Low 12 acres Medium 91 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 103 Mixed 0 Percent Seen 0.73 Percent Unseen 0.27 Aspect North

SOILS

This unit has 26 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 6 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A6 class 2 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Maintain diversity within unit by leaving 1-5 acre-sized islands of green trees at a rate of 1 acre of island for every 20 acre harvested. Leave islands must be compatible with logging system and safe working conditions.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
This unit will need boundary modification by a landscape architect to meet the adopted VQO for this project.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

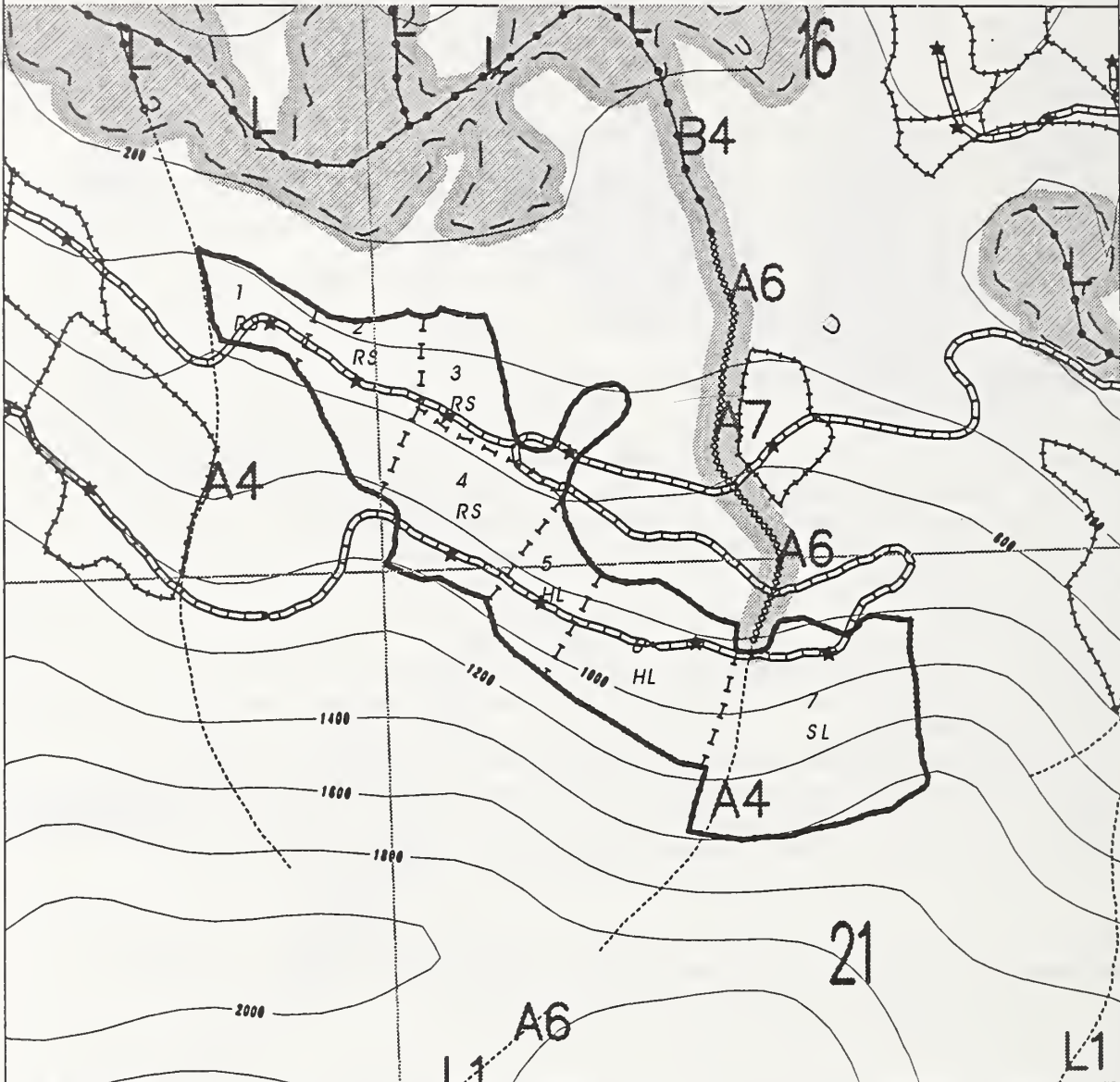
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5027

PLANNED HARVEST UNIT MAP

ACRES: 103 VOLUME: 3229 MBP QUAD(s): KTND5 QUARTER QUAD(s): NWS/SWN
 PHOTO NUM.: 1179-84 LANDNET INFO TOWNSHIP 82S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



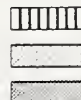
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN ALT
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (up arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HL HIGHLEAD
 SL SLACKLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5028</u>	No. Settings <u>1</u>	Alternatives considered <u>3 4 5 6</u>	VQO <u>PR</u>
Planned acres <u>21</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>659</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHC</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-91</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 21 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 20 acres 800-1200 ft. 1 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 21 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 21 Mixed 0 Percent Seen 0.30 Percent Unseen 0.70 Aspect North

SOILS

This unit has 22 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 1 have timing restrictions.

This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nestsite is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

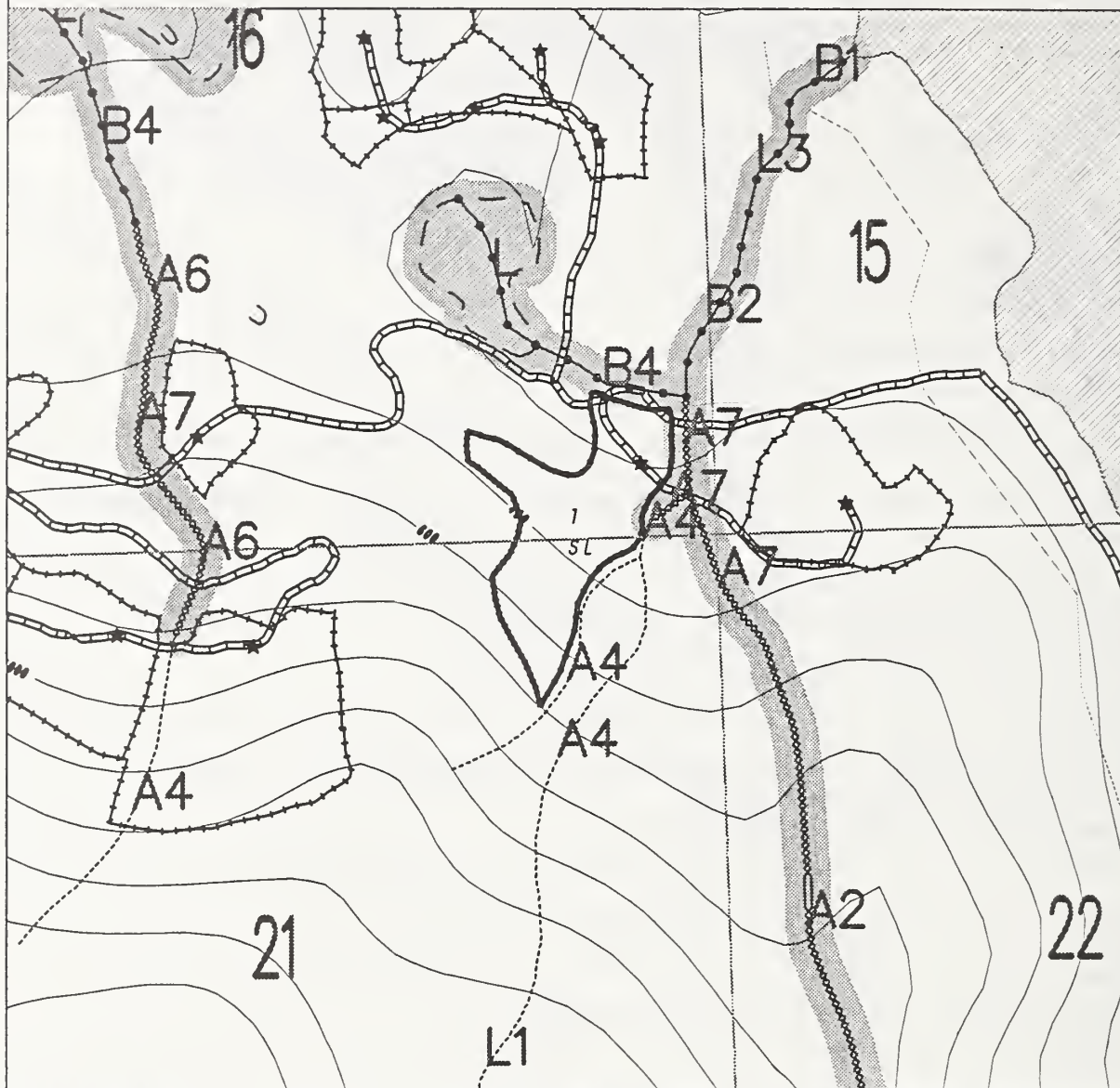
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5028

PLANNED HARVEST UNIT MAP

ACRES: 21 VOLUME: 659 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-91 LANDMET INFO TOWNSHIP RRS RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



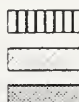
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (up arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5029</u>	No. Settings <u>4</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>MM</u>
Planned acres <u>32</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>870</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-90</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 21 acres VC5 11 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 32 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 17 acres High 13 acres Very High 0 acres
Cedar 0 Hemlock 32 Mixed 0 Percent Seen 0.05 Percent Unseen 0.95 Aspect East

SOILS

This unit has 31 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 10 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a B4 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 2 have timing restrictions.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

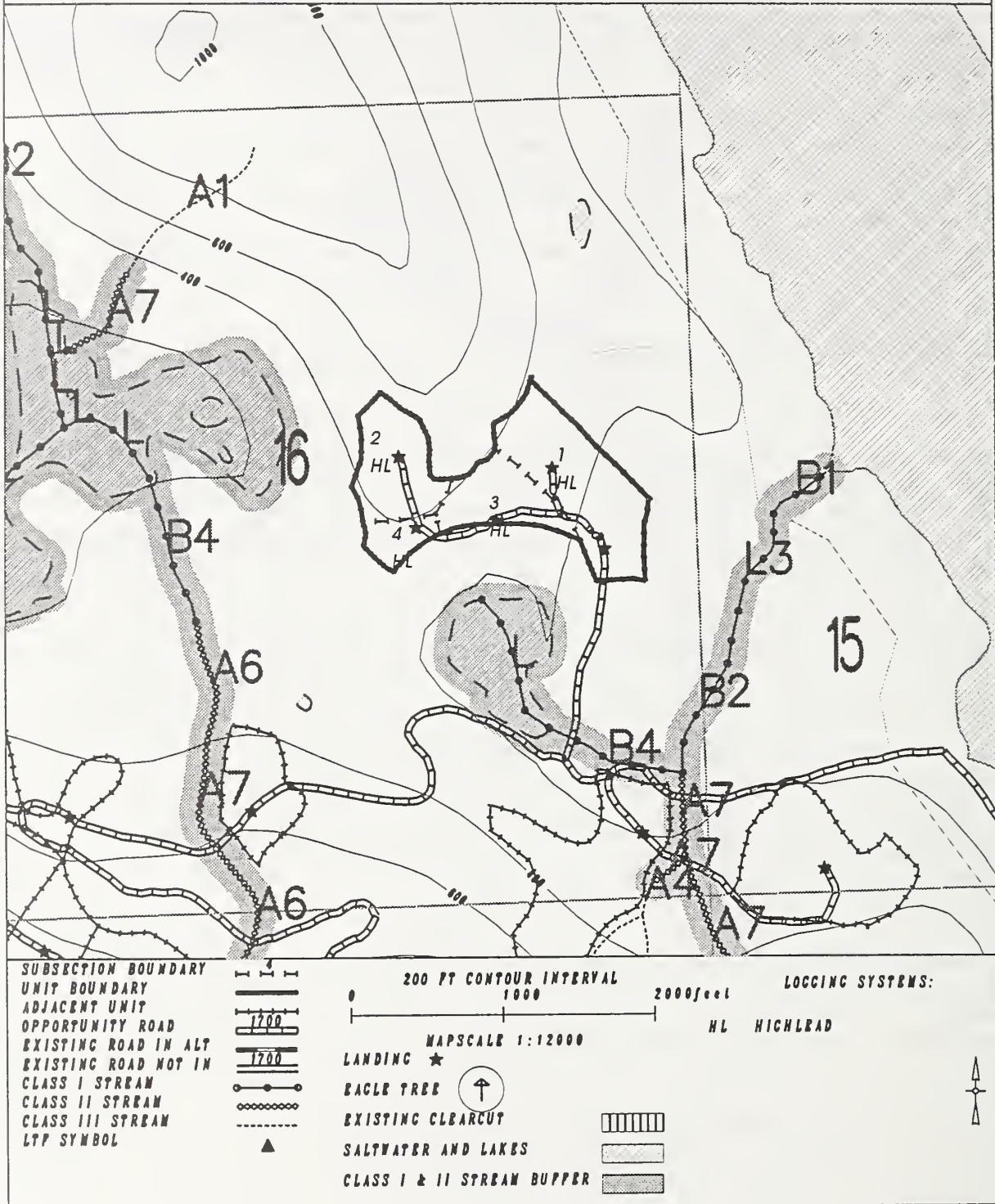
NORTH REYLLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5029

PLANNED HARVEST UNIT MAP

ACRES: 32 VOLUME: 870 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-90 LANDNET INFO TOWNSHIP R2S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5030</u>	No. Settings <u>1</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>MM</u>
Planned acres <u>17</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>463</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-91</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 11 acres VC5 6 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 17 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 5 acres High 10 acres Very High 0 acres
Cedar 0 Hemlock 17 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 17 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 6 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

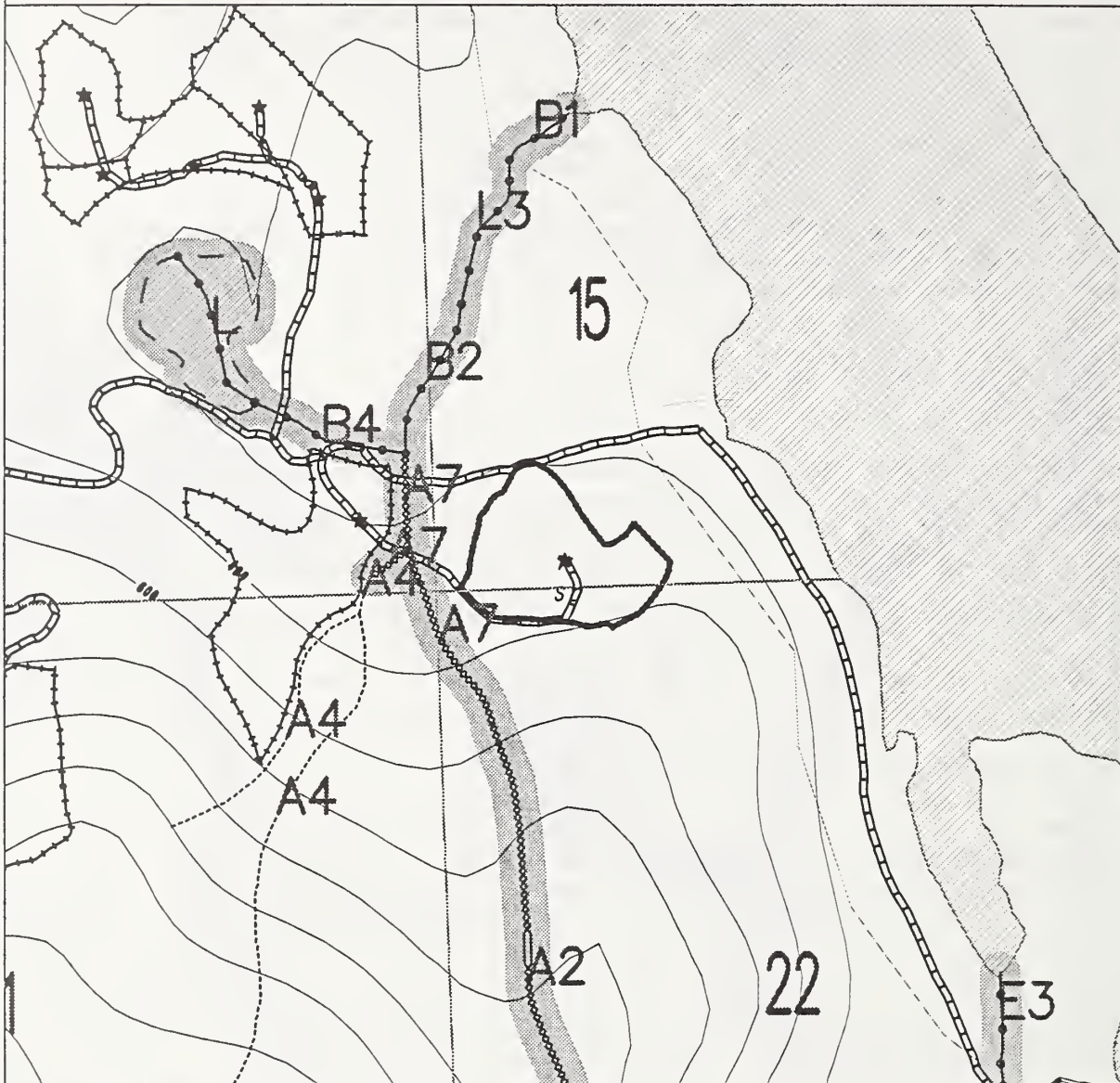
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5030

PLANNED HARVEST UNIT MAP

ACRES: 17 VOLUME: 463 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-91 LANDNET INFO TOWNSHIP 89S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 BACLE TREE (⊕)
 EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5031</u>	No. Settings <u>1</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>PR</u>
Planned acres <u>2</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>63</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-14</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 2 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 2 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 2 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 2 Mixed 0 Percent Seen 0.98 Percent Unseen 0.02 Aspect East

SOILS

This unit has 2 acres that may require partial or full suspension (BMP 13.9)

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nestsite is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the S.HASSLER PASS viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

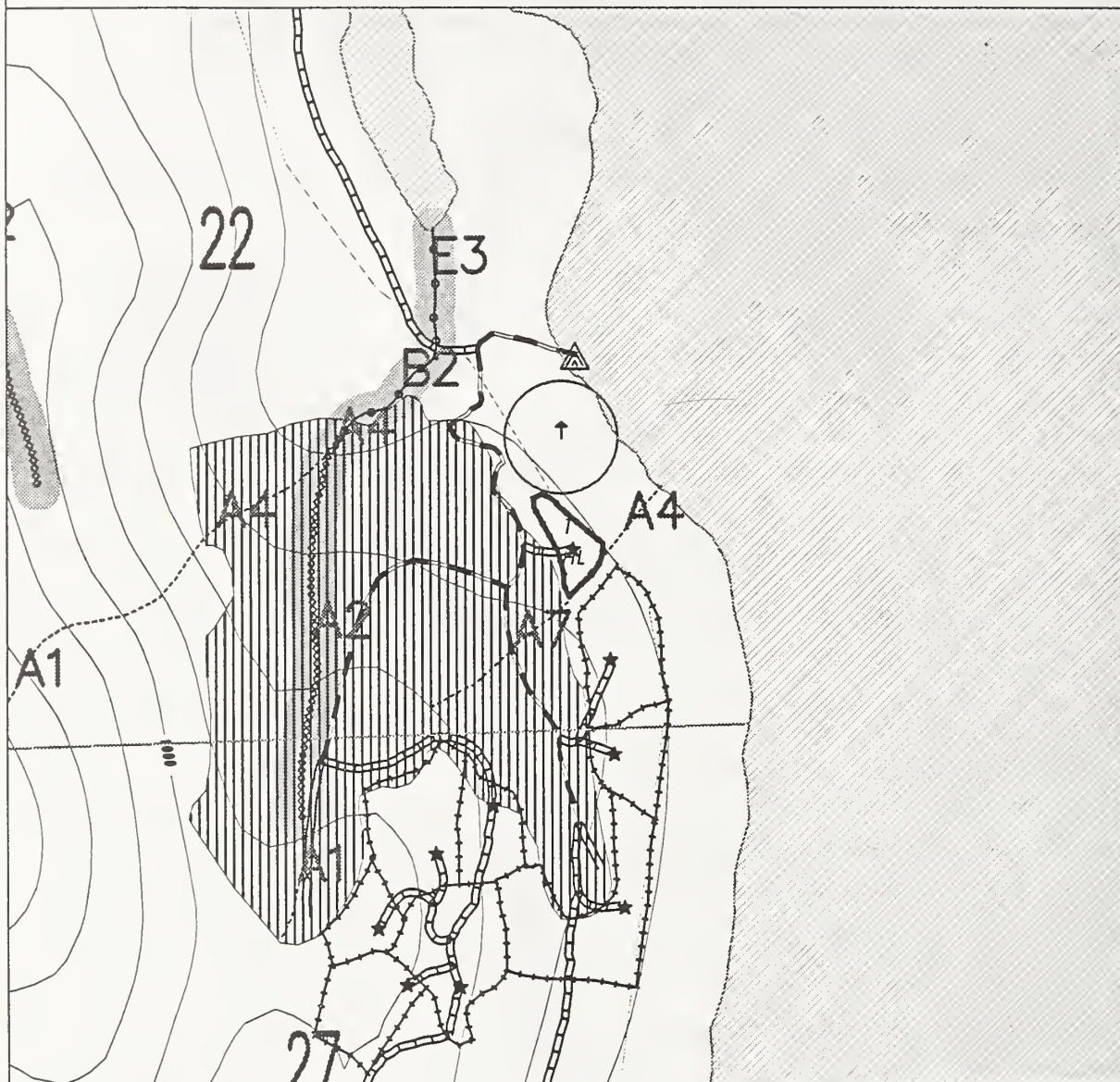
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5031

PLANNED HARVEST UNIT MAP

ACRES: 2 VOLUME: 63 MBF QUAD(s): KYND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-14 LANDNET INFO TOWNSHIP 62S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow in circle)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HICHLBAD



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5032</u>	No. Settings <u>8</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>PR</u>
Planned acres <u>57</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1790</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-14</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 57 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 40 acres 800-1200 ft. 17 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 48 acres High 0 acres Very High 9 acres
Cedar 0 Hemlock 57 Mixed 0 Percent Seen 0.70 Percent Unseen 0.30 Aspect East

SOILS

This unit has 12 acres that may require partial or full suspension (BMP 13.9)
This unit has very high mass movement index soils.
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 15 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the S.HASSLER PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

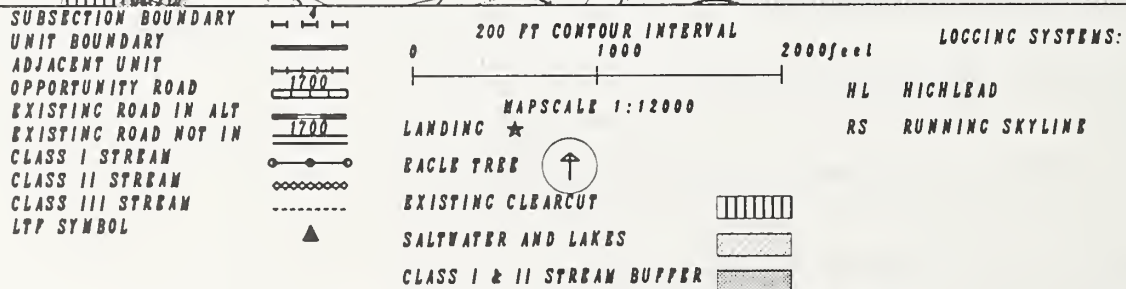
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5032

PLANNED HARVEST UNIT MAP

ACRES: 57 VOLUME: 1790 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-14 LANDNET INFO TOWNSHIP 69S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5033</u>	No. Settings <u>2</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>PR</u>
Planned acres <u>13</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>408</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-14</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 13 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 13 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 13 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 13 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has 13 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the S.HASSLER PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5033

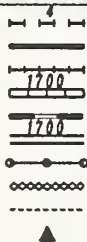
PLANNED HARVEST UNIT MAP

ACRES: 13 VOLUME: 408 MBF QUAO(s): KTN05 QUARTER QUAO(s): SWN
 PHOTO NUM.: 1179-14 LANDNET INFO TOWNSHIP R2S RANGE R2E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL

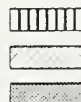


200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (upward arrow)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5034</u>	No. Settings <u>1</u>	Alternatives considered <u>3 5 6</u>	VQO <u>PR</u>
Planned acres <u>21</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>659</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-93</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 21 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 21 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 21 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 21 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 21 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilverly soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/GEDNEY PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

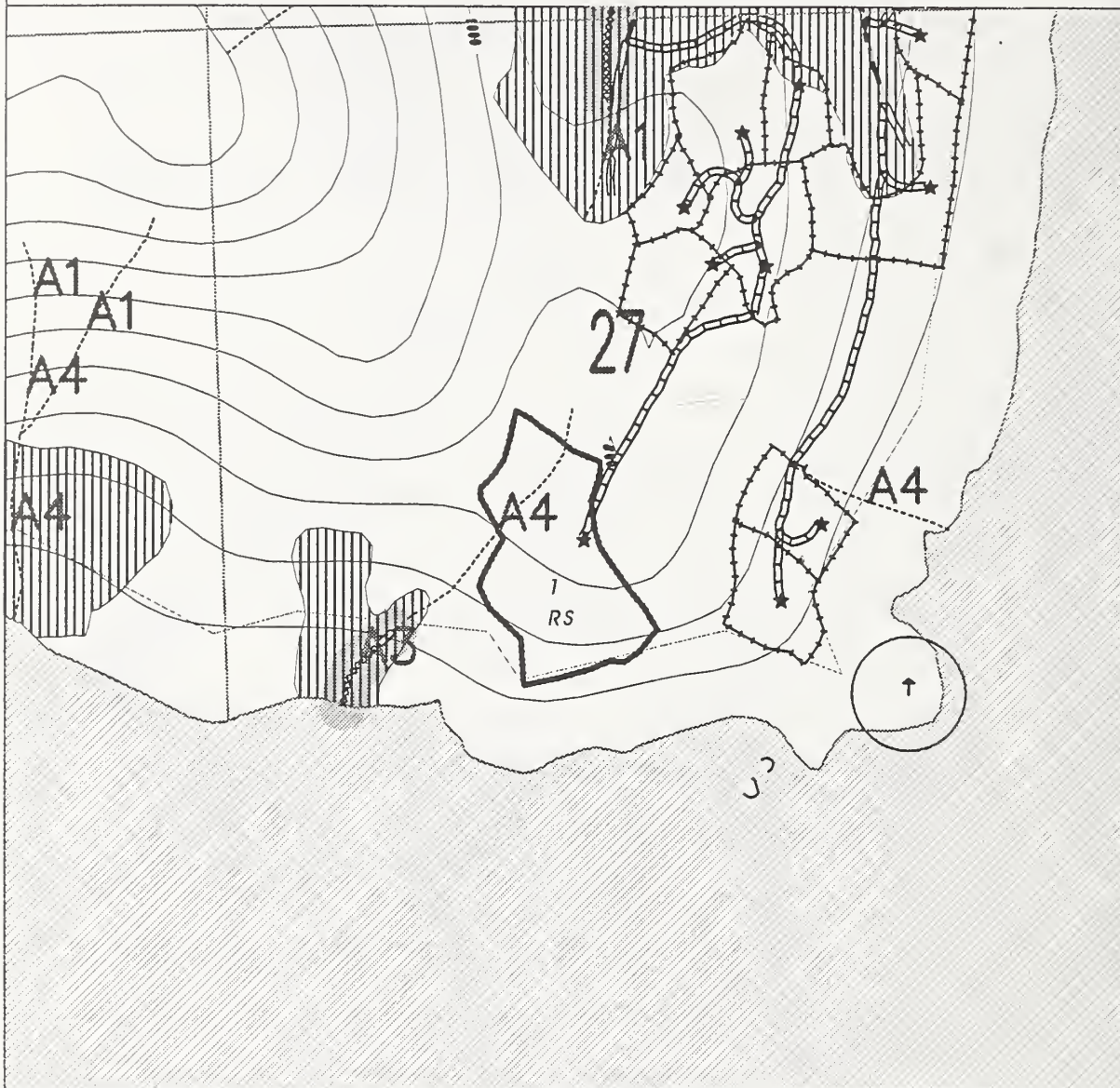
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5034

PLANNED HARVEST UNIT MAP

ACRES: 21 VOLUME: 659 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-93 LANDNET INFO TOWNSHIP 89S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

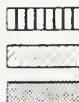
LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5035</u>	No. Settings <u>1</u>	Alternatives considered <u>6</u>	VQO <u>PR</u>
Planned acres <u>36</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>976</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Cedar</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-93</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 24 acres VC5 12 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 9 acres over 1500 ft. 27 acres
Mass movement index: Low 7 acres Medium 0 acres High 29 acres Very High 0 acres
Cedar 24 Hemlock 2 Mixed 10 Percent Seen 0.61 Percent Unseen 0.39 Aspect East

SOILS

This unit has 36 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 3 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the S.HASSLER PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

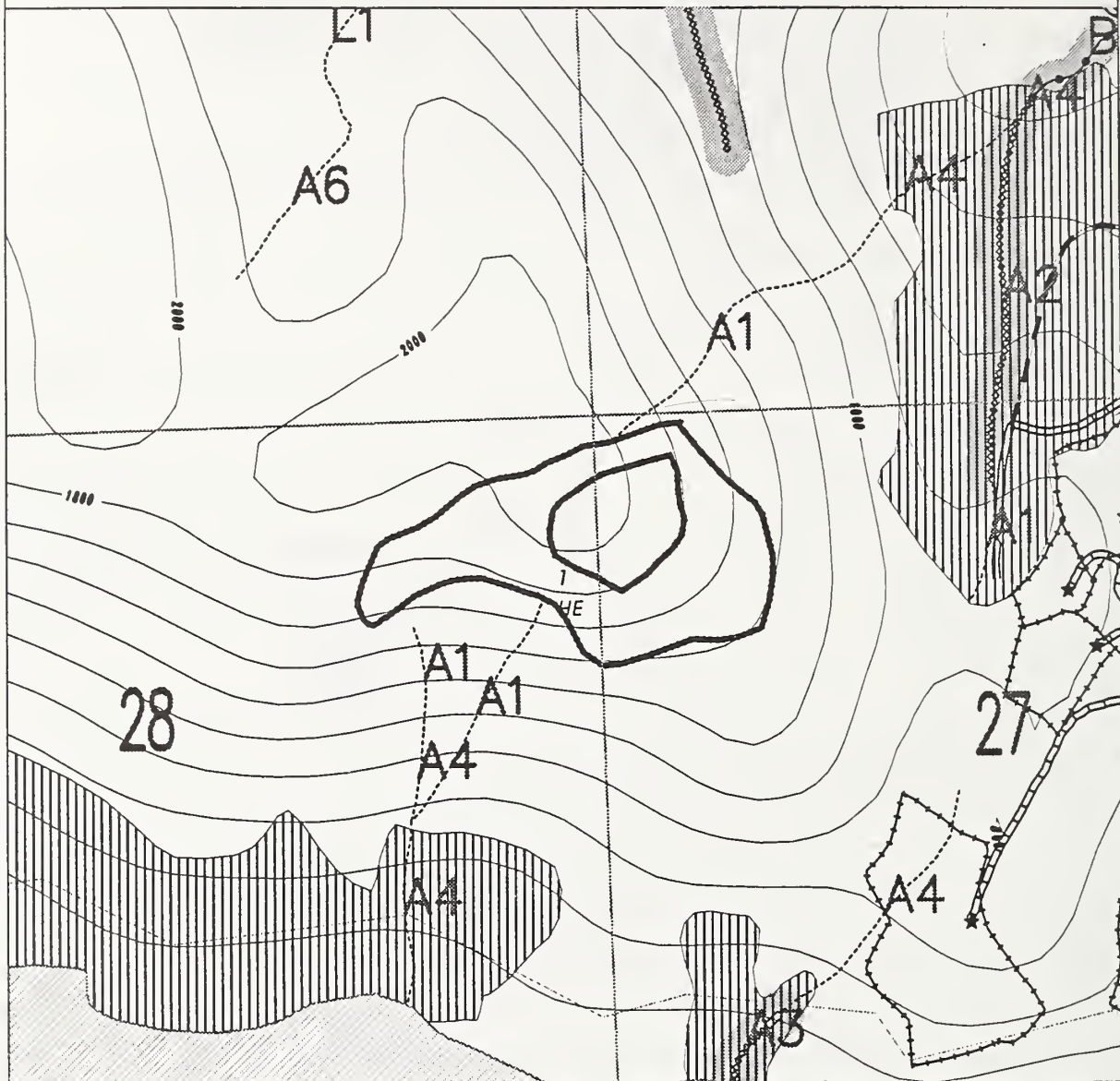
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5035

PLANNED HARVEST UNIT MAP

ACRES: 36 VOLUME: 976 MBF QUAD(s): KTNDS QUARTER QUAD(s): SVN
 PHOTO NUM.: 1179-93 LANDNET INFO TOWNSHIP 89S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



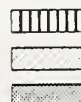
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5036</u>	No. Settings <u>3</u>	Alternatives considered <u>6</u>	VQO <u>PR</u>
Planned acres <u>95</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2773</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CMM</u>
Logging methods <u>HL</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Shelter wood</u>		1979 Photo <u>1179-83</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 32 acres VC5 63 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 14 acres 1200-1500 ft. 17 acres over 1500 ft. 64 acres
Mass movement index: Low 15 acres Medium 22 acres High 58 acres Very High 0 acres
Cedar 0 Hemlock 95 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 95 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 42 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.

FISH/WATERSHED

This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5036

PLANNED HARVEST UNIT MAP

ACRES: 95 VOLUME: 2773 MBP QUAD(s): KYND5 QUARTER QUAD(s): NVS/SWN
 PHOTO NUM.: 1179-83 LANDNET INFO TOWNSHIP 89S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000
 LANDING ★
 EAGLE TREE (up arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

HE HELICOPTER
 HL HIGH LEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5037</u>	No. Settings <u>1</u>	Alternatives considered <u>4 6</u>	VQO <u>PR</u>
Planned acres <u>45</u>		Quad <u>KTND6SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1378</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHC</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-20</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 5 acres VC5 40 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 3 acres over 1500 ft. 42 acres
Mass movement index: Low 45 acres Medium 0 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 45 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 45 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 40 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/GEDNEY PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

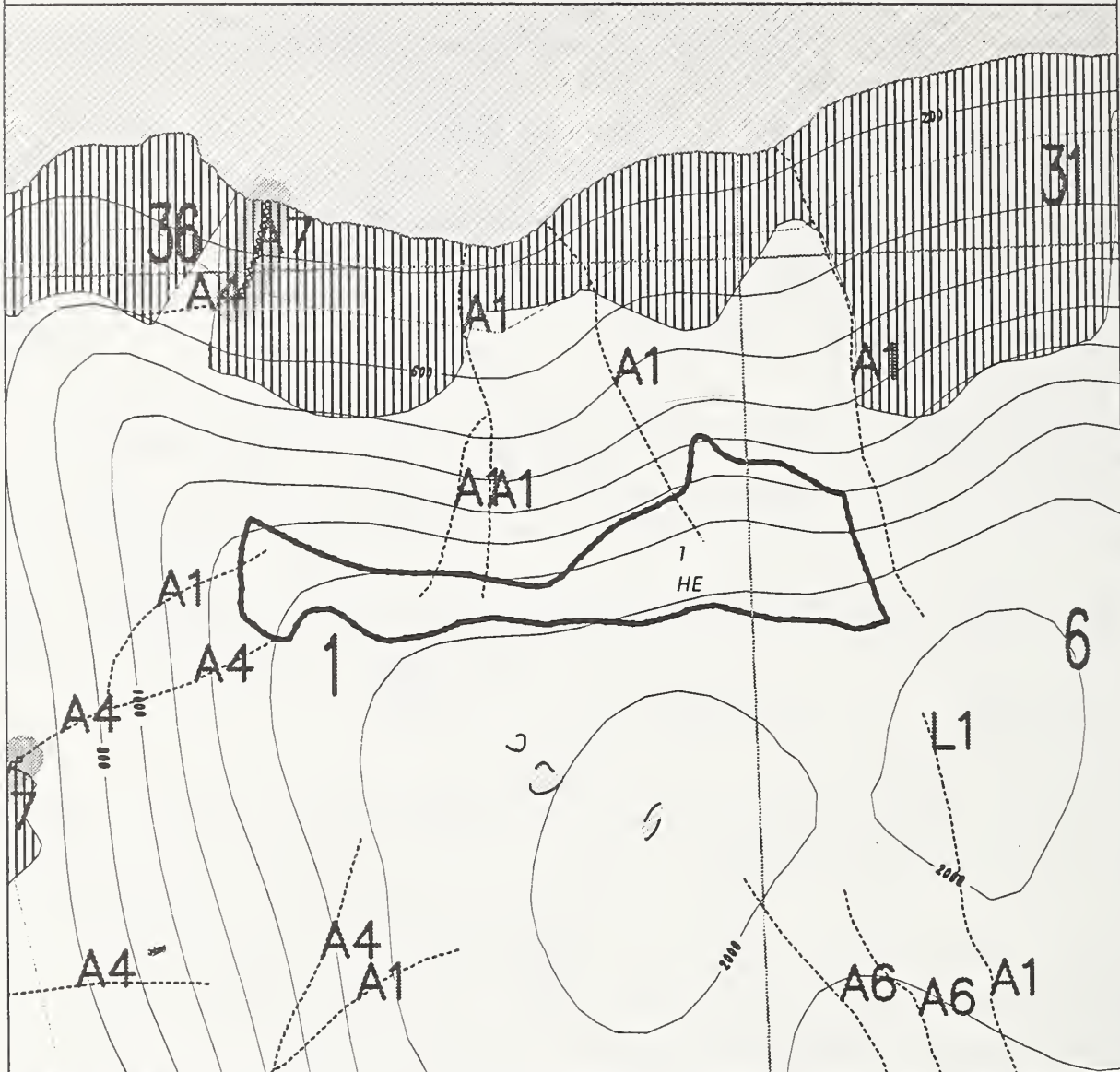
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5037

PLANNED HARVEST UNIT MAP

ACRES: 45 VOLUME: 1378 MBF QUAD(s): KTND6 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1179-20 LANDNET INFO TOWNSHIP 70S RANGE 89E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



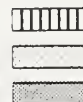
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN ALT
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (⊕)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5038</u>	No. Settings <u>1</u>	Alternatives considered <u>4 6</u>	VQO <u>PR</u>
Planned acres <u>61</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1843</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHC</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-35</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 11 acres VC5 50 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 39 acres 800-1200 ft. 20 acres 1200-1500 ft. 2 acres over 1500 ft. 0 acres
Mass movement index: Low 61 acres Medium 0 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 57 Mixed 4 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 61 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 39 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Maintain adequate distribution of snags by leaving 0.1 acre-sized patches of green trees within the unit for every 10 acres harvested. Snag patches must be compatible with logging system and safe working conditions.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/GEDNEY PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

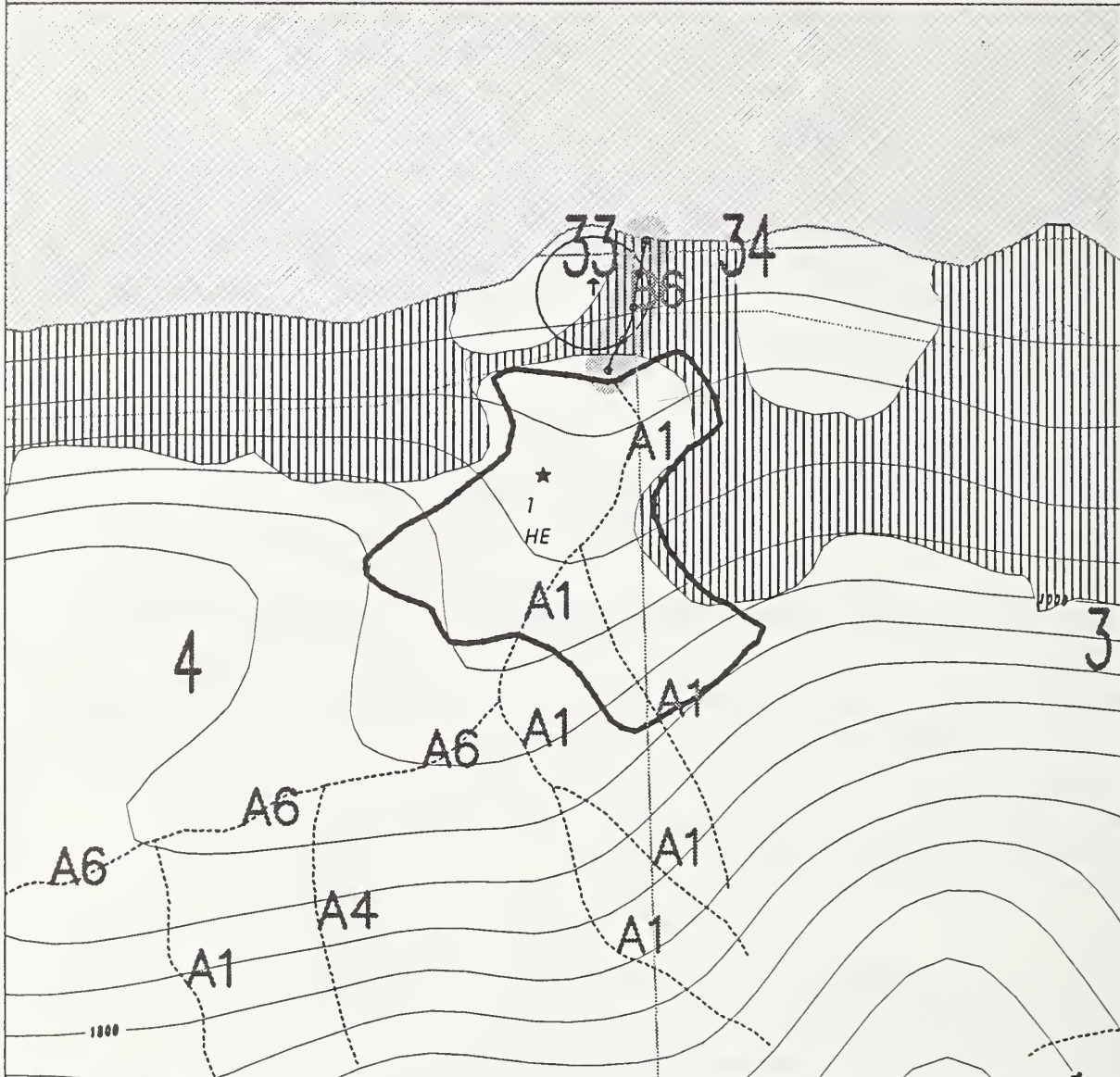
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5038

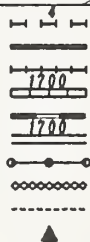
PLANNED HARVEST UNIT MAP

ACRES: 61 VOLUME: 1843 MBF QUAD(s): KTND5 QUARTER QUAD(s): SVN
 PHOTO NUM.: 1179-35 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (up arrow in circle)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5039</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>58</u>	Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>	
Estimated volume (mbf) <u>1823</u>	Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHC</u>	
Logging methods <u>SL RS</u>	WAA <u>510</u>	Forest type <u>Mixed conifer</u>	
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1179-31</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 10 acres VC5 41 acres VC6 7 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 46 acres 800-1200 ft. 9 acres 1200-1500 ft. 0 acres over 1500 ft. 3 acres
Mass movement index: Low 12 acres Medium 22 acres High 24 acres Very High 0 acres
Cedar 0 Hemlock 9 Mixed 49 Percent Seen 1.00 Percent Unseen 0.00 Aspect West

SOILS

This unit has 58 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 24 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 9 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/GEDNEY PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

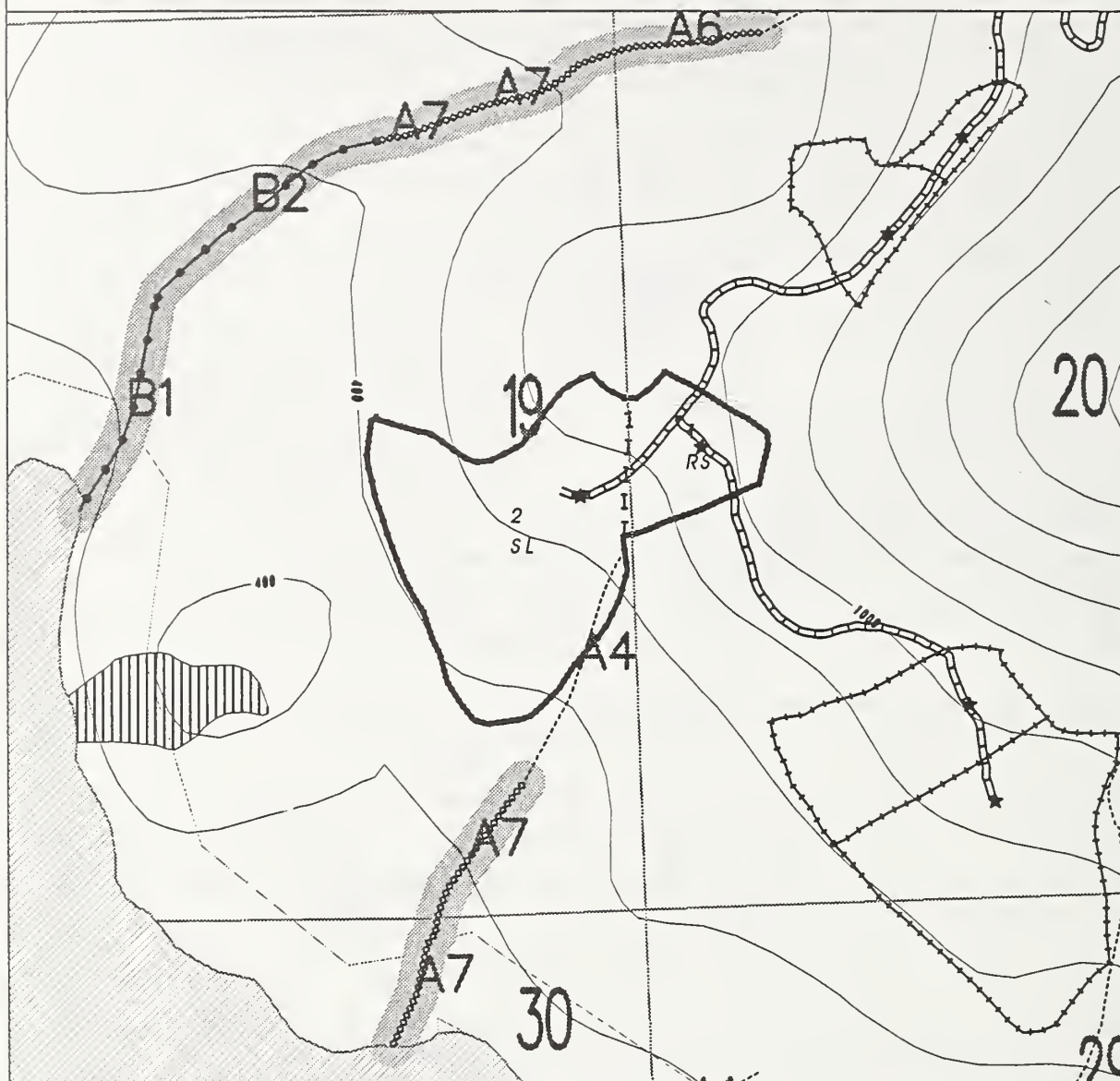
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5039

PLANNED HARVEST UNIT MAP

ACRES: 58 VOLUME: 1823 MBF QUAD(s): KTND5/KTND6 QUARTER QUAD(s): SWN/SEN
 PHOTO NUM.: 1179-83 LANDNET INFO TOWNSHIP 89S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE

SL SLACKLINE



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5040</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>R</u>
Planned acres <u>18</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>559</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-84</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 1 acres VC5 17 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 17 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 18 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 17 Mixed 1 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 18 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 16 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/W.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

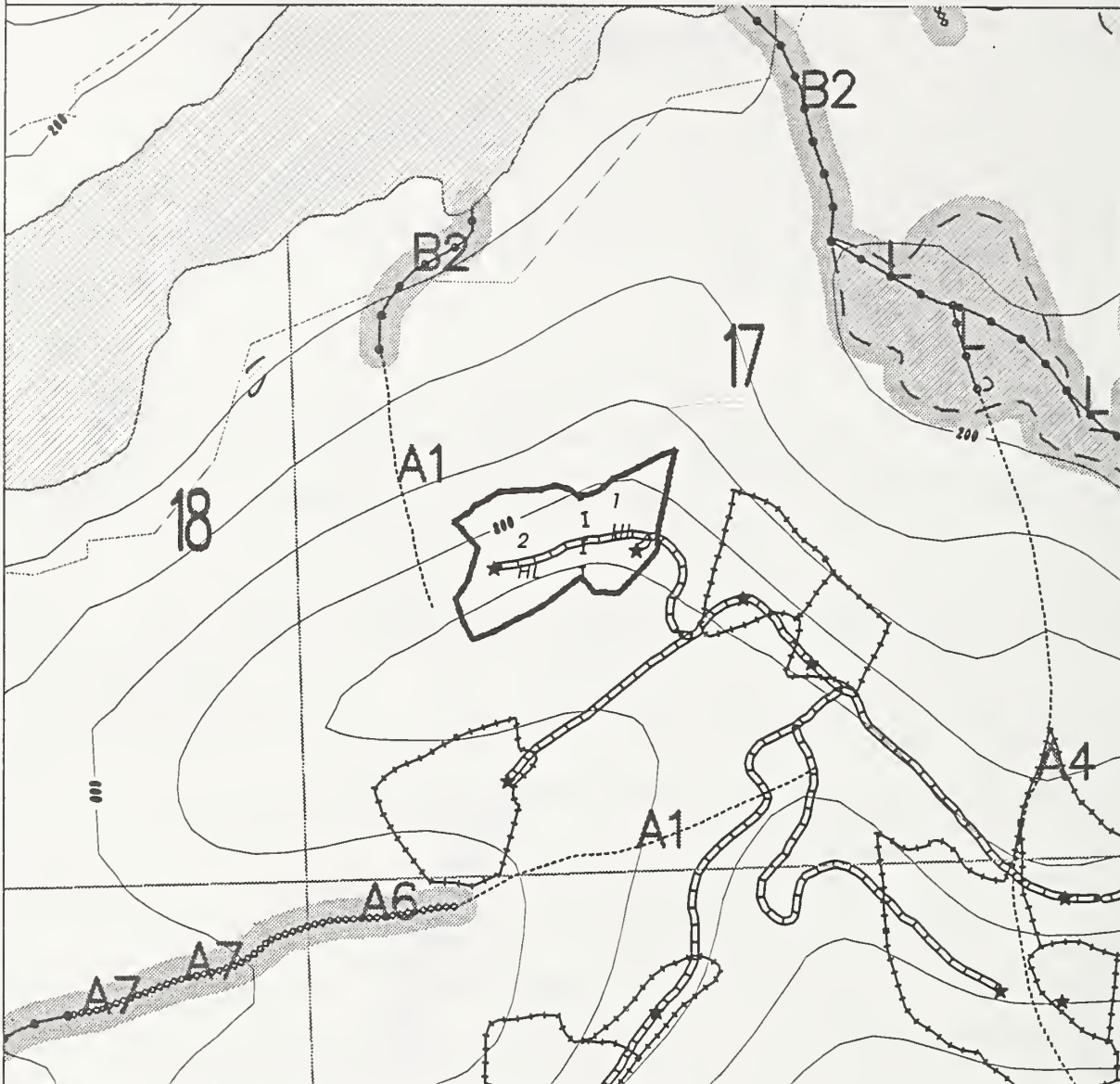
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5040

PLANNED HARVEST UNIT MAP

ACRES: 18 VOLUME: 559 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1170-84 LANDNET INFO TOWNSHIP 89S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (up arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5041</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>15</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>471</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-84</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 15 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 2 acres 800-1200 ft. 13 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 15 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 15 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 14 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

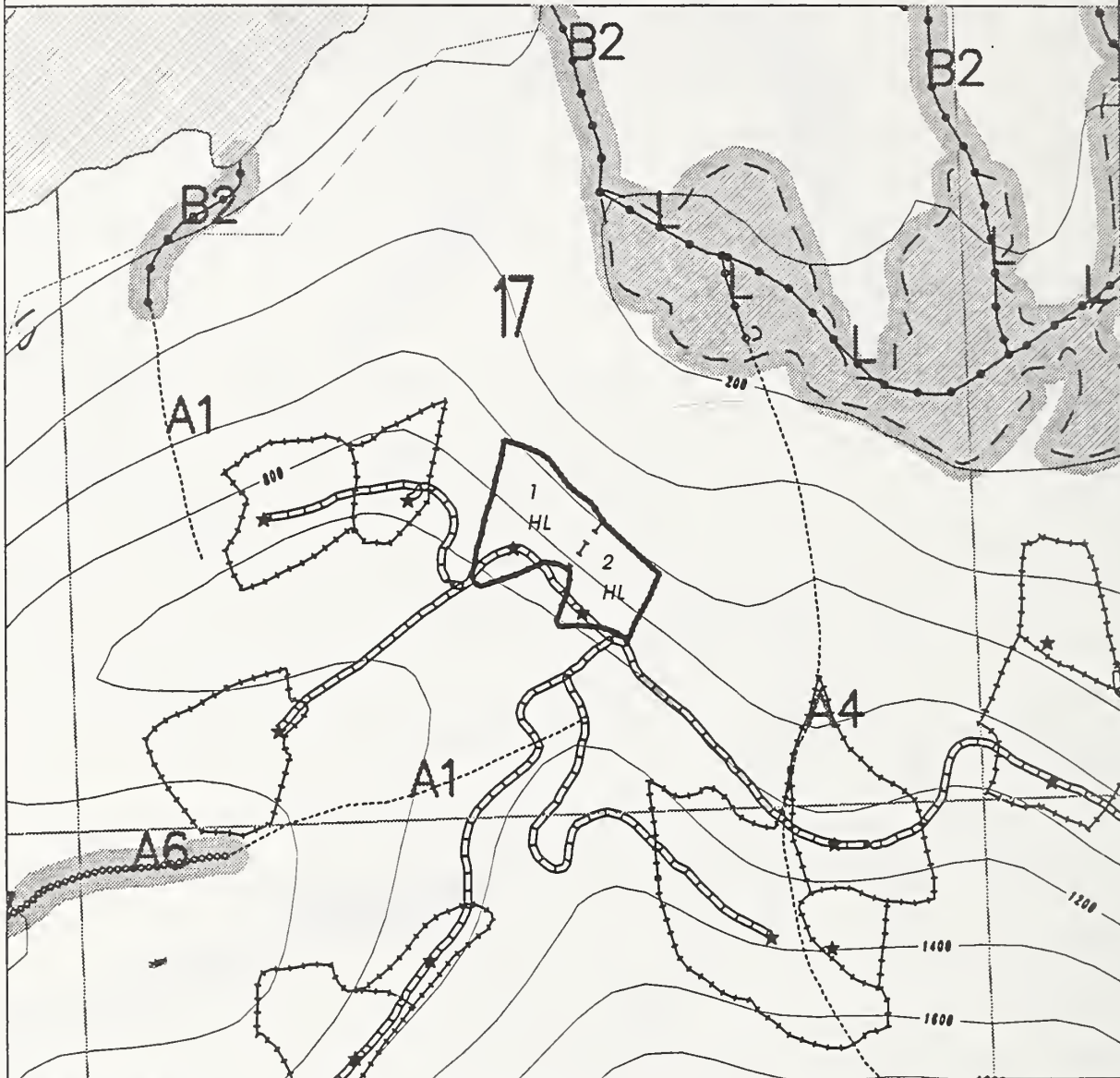
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5041

PLANNED HARVEST UNIT MAP

ACRES: 15 VOLUME: 471 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-84 LANDNET INFO TOWNSHIP 82S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



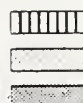
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (↑)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5042</u>	No. Settings <u>3</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>46</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1232</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CMM</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-84</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 33 acres VC5 13 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 10 acres 1200-1500 ft. 23 acres over 1500 ft. 12 acres
Mass movement index: Low 3 acres Medium 36 acres High 7 acres Very High 0 acres
Cedar 0 Hemlock 46 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 45 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

VCU: 7350 UNIT NUMBER: 5042

ACRES: 48 VOLUME: 1232 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-84 LANDNET INFO TOWNSHIP 89S RANGE 90R

A vertical stack of ten different line styles and symbols, including horizontal lines with arrows, dots, and the number 1700.

RS *RUNNING SKYLINE*

CLASS I & II STREAM BUFFER



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5043</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>28</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>878</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-84</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 28 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 18 acres 800-1200 ft. 10 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 4 acres Medium 24 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 28 Mixed 0 Percent Seen 0.52 Percent Unseen 0.48 Aspect North

SOILS

This unit has 28 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

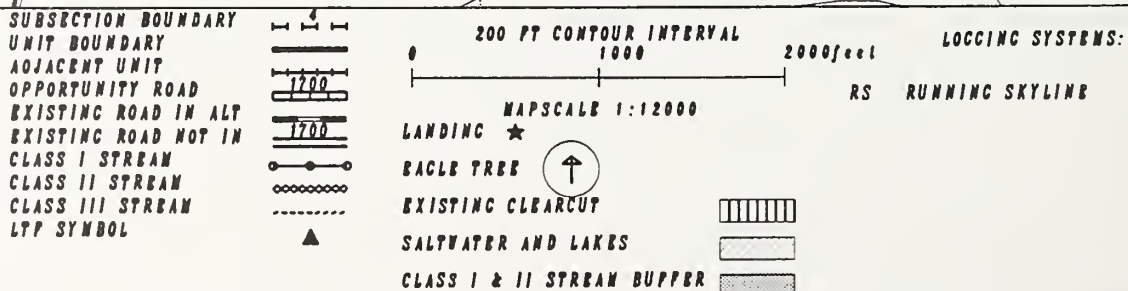
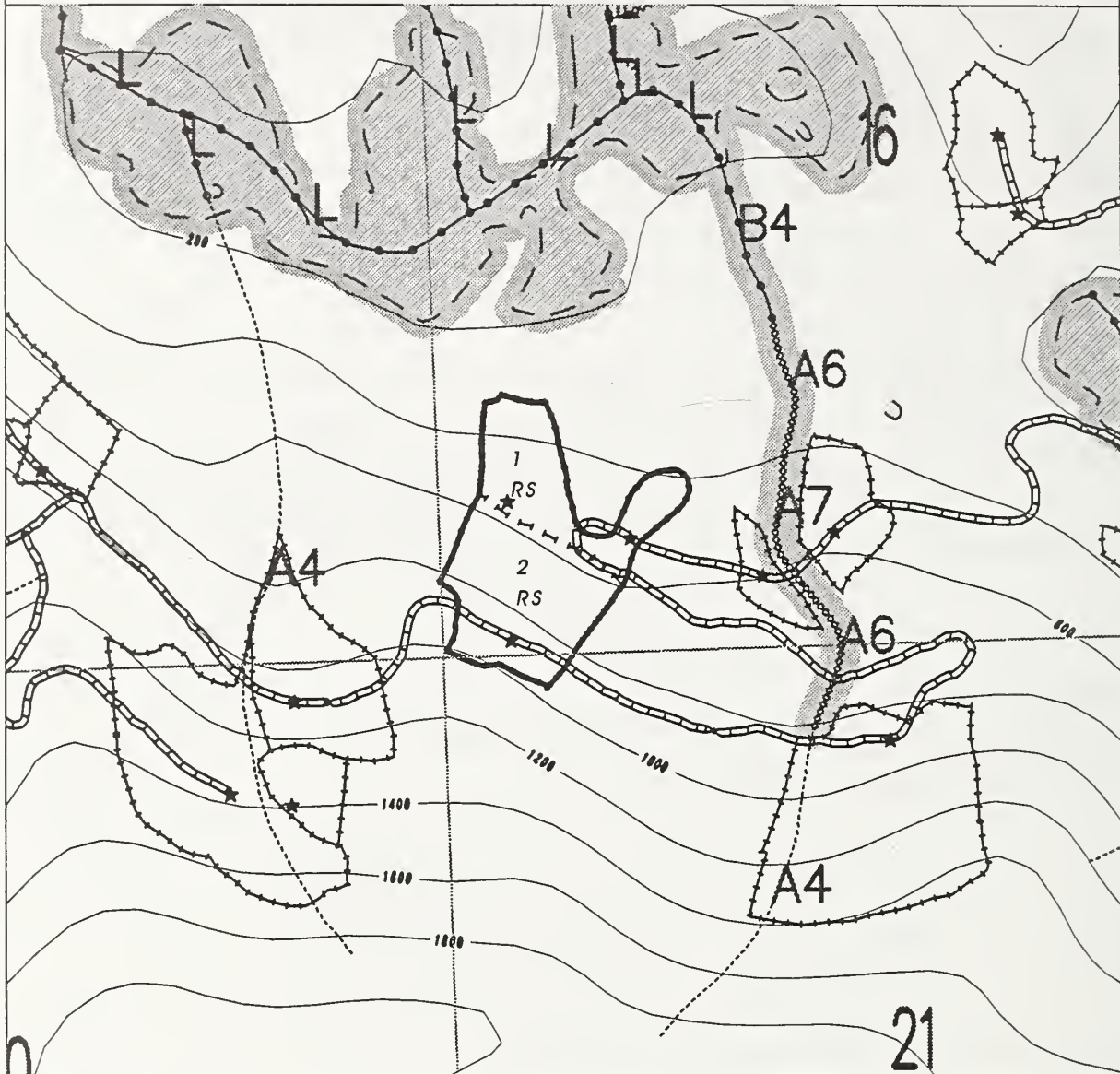
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5043

PLANNED HARVEST UNIT MAP

ACRES: 28 VOLUME: 878 MBF QUAD(s): KTNOS QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-84 LANDOWN INFO TOWNSHIP 82S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5044</u>	No. Settings <u>1</u>	Alternatives considered <u>4 5</u>	VQO <u>PR</u>
Planned acres <u>31</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>972</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CMM</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-91</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 31 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 14 acres 1200-1500 ft. 17 acres over 1500 ft. 0 acres
Mass movement index: Low 3 acres Medium 28 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 31 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 31 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A6 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
This unit will need boundary modification by a landscape architect to meet the adopted VQO for this project.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

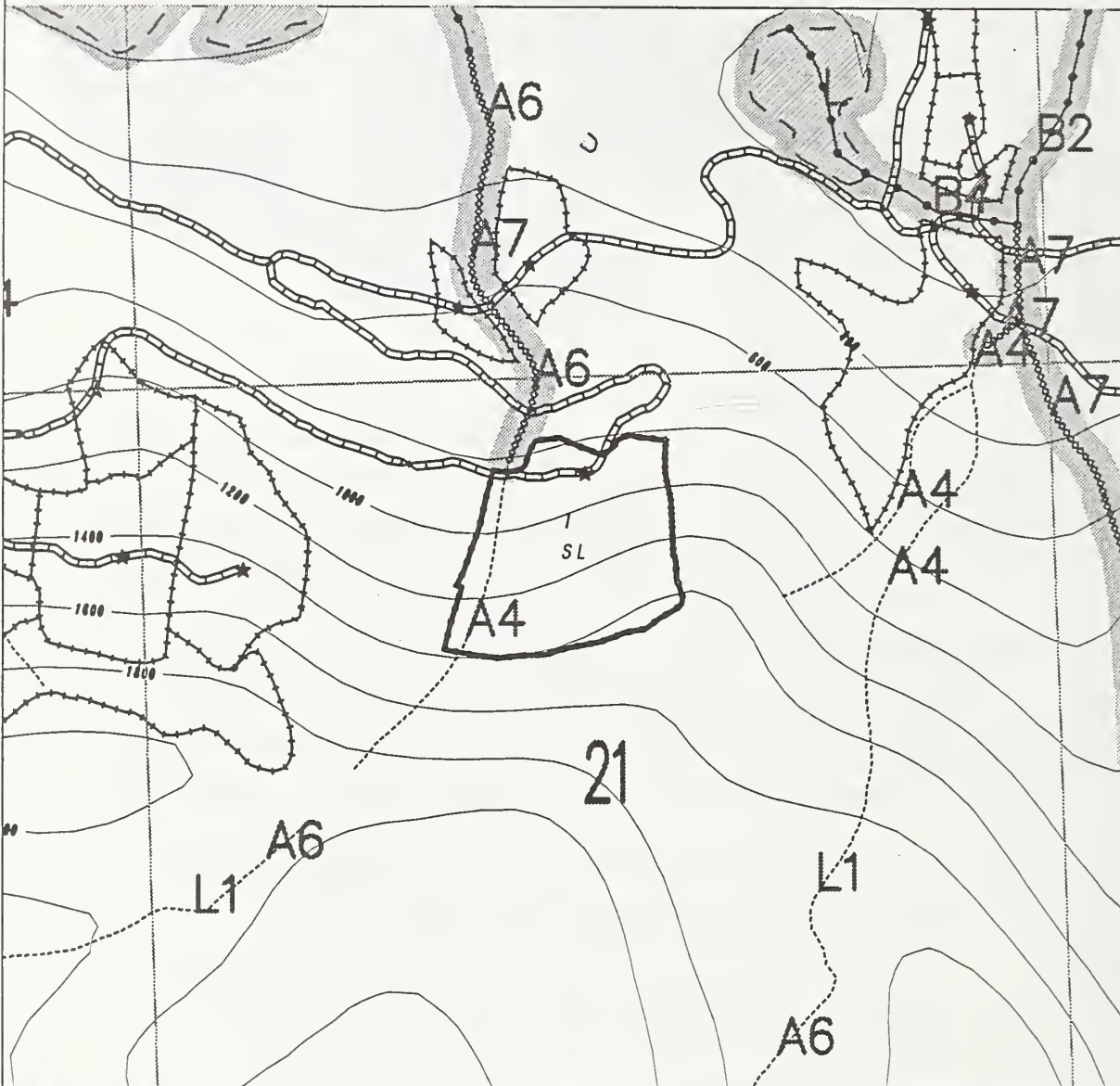
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5044

PLANNED HARVEST UNIT MAP

ACRES: 31 VOLUME: 972 MBP QUAD(s): KTHDS QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-91 LANDNET INFO TOWNSHIP 62S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (upward arrow)
 EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5045</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>5</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>157</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-14</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 5 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 31 acres 800-1200 ft. 18 acres 1200-1500 ft. 6 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 5 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 5 Mixed 0 Percent Seen 0.98 Percent Unseen 0.02 Aspect East

SOILS

This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR, and is not seen within a viewshed.

There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

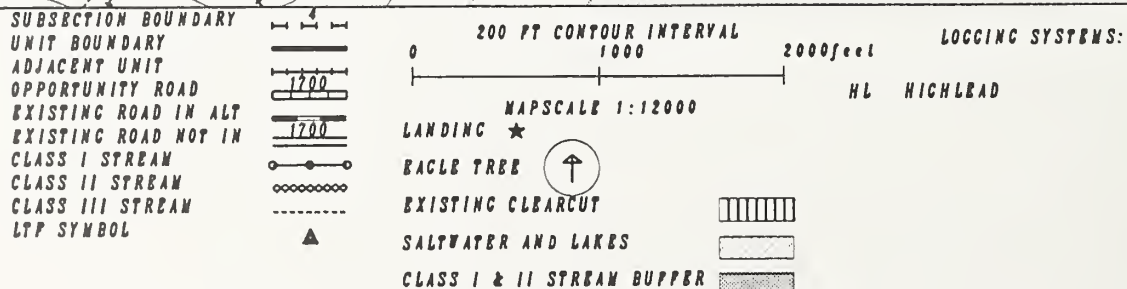
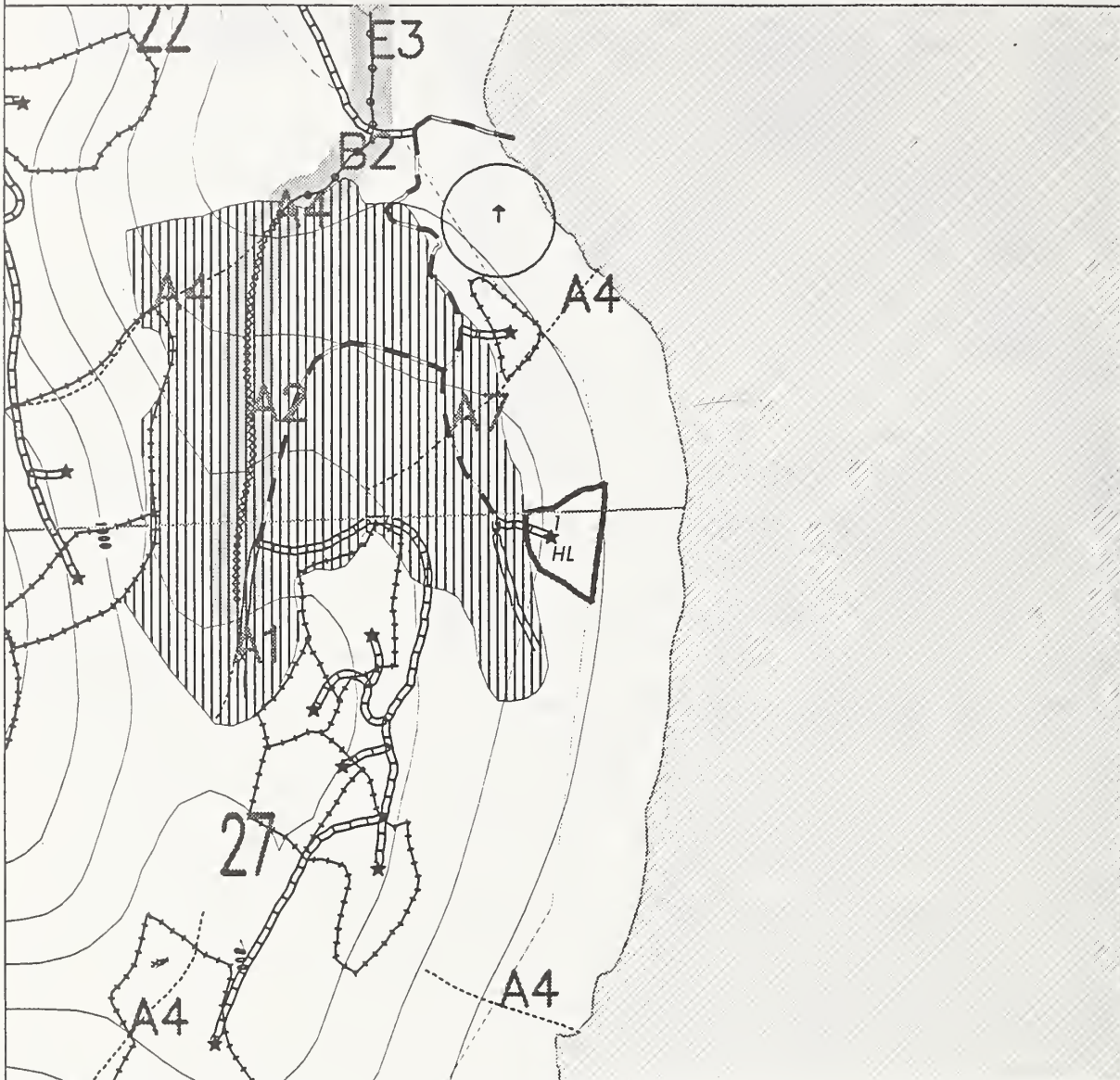
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5045

PLANNED HARVEST UNIT MAP

ACRES: 5 VOLUME: 157 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-14 LANDNET INFO TOWNSHIP 69S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 13, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5046</u>	No. Settings <u>4</u>	Alternatives considered <u>5</u>	VQO <u>R</u>
Planned acres <u>38</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1084</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-90</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 21 acres VC5 17 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 38 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 13 acres High 23 acres Very High 0 acres
Cedar 0 Hemlock 38 Mixed 0 Percent Seen 0.52 Percent Unseen 0.48 Aspect South

SOILS

This unit has 38 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 22 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potentially very low volume per acre.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a B4 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 2 have timing restrictions.

This unit is immediately adjacent to a B1 stream. No harvest within 100 feet and partial cut 100-200 feet of stream.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5046

PLANNED HARVEST UNIT MAP

ACRES: 38 VOLUME: 1084 MBP QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-90 LANDNET INFO TOWNSHIP 62S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL

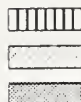


200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (circle with cross)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5047</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>R</u>
Planned acres <u>27</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>752</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-90</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 15 acres VC5 12 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 27 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 9 acres High 18 acres Very High 0 acres
Cedar 0 Hemlock 27 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has 26 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 15 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2-mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

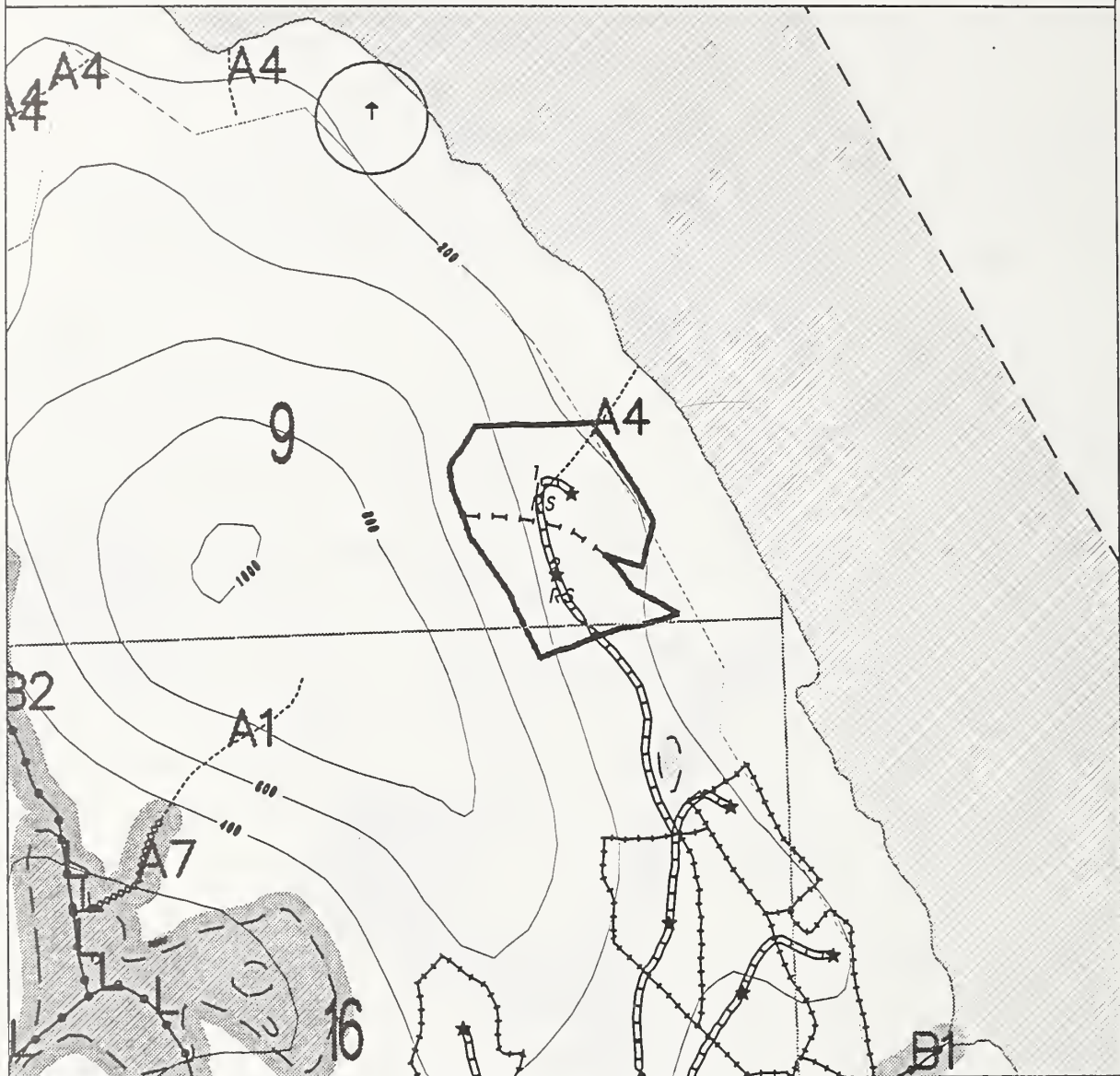
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5047

PLANNED HARVEST UNIT MAP

ACRES: 27 VOLUME: 752 MDP QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-90 LANDMET INFO TOWNSHIP 69S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

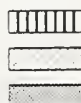
LANDING ★

BACLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit 5048 No. Settings 3 Alternatives considered 5 VQO R
Planned acres 28 Quad KTND5NWS Windthrow risk H
Estimated volume (mbf) 725 Mgmt Area K32 VCU 7350 Plant Series CCS
Logging methods HL WAA 510 Forest type Hemlock
Silvicultural system Clearcut 1979 Photo 1179-91

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 24 acres VC5 4 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 28 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 0 acres High 27 acres Very High 0 acres
Cedar 0 Hemlock 28 Mixed 0 Percent Seen 0.61 Percent Unseen 0.39 Aspect East

SOILS

This unit has 27 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 16 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

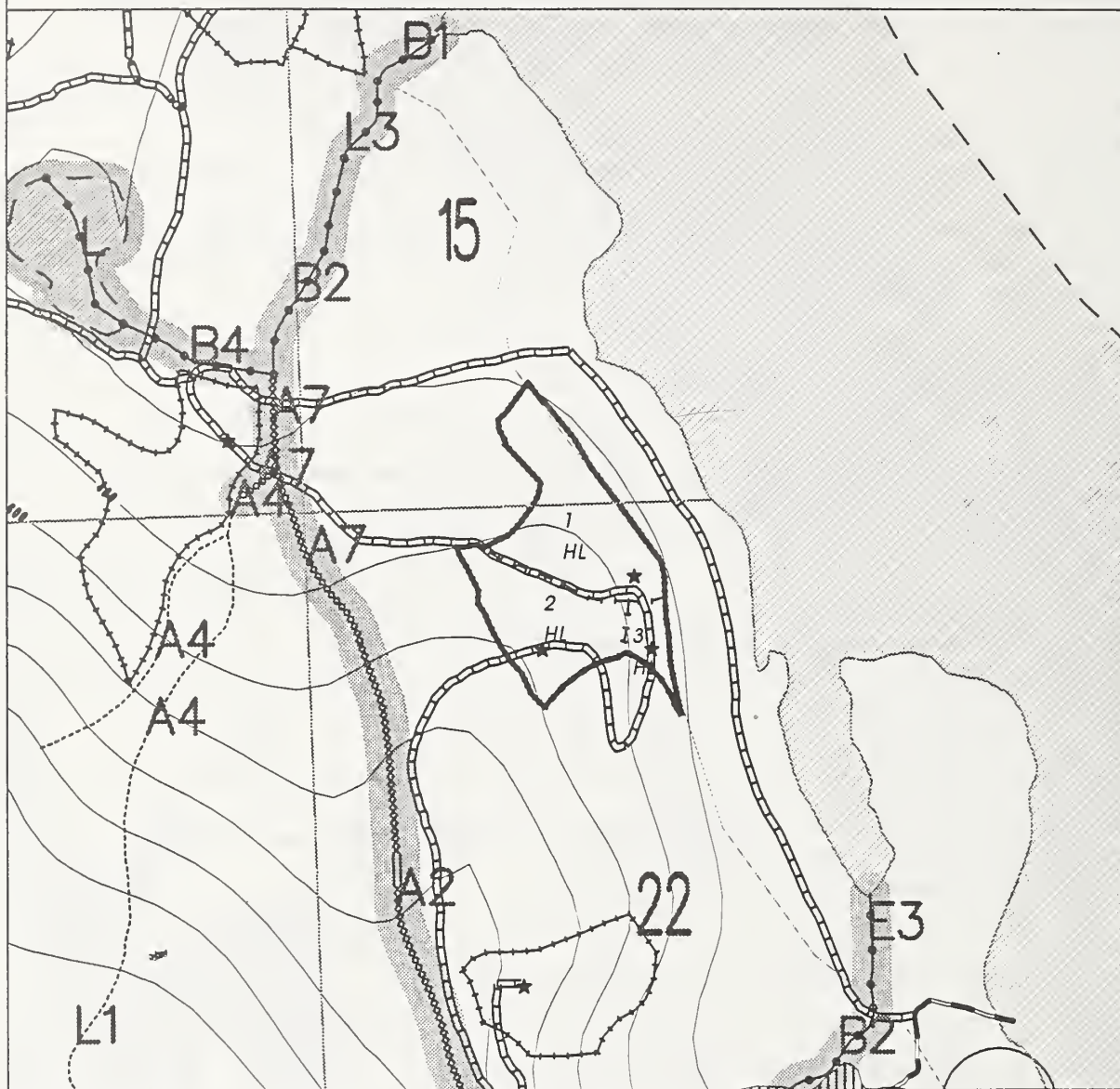
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5048

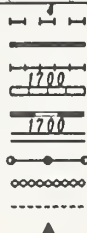
PLANNED HARVEST UNIT MAP

ACRES: 28 VOLUME: 725 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-91 LANDNET INFO TOWNSHIP 62S RANGE 20R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit 5049 No. Settings 1 Alternatives considered 5 VQO PR
Planned acres 14 Quad KTND5SWN Windthrow risk H
Estimated volume (mbf) 407 Mgmt Area K32 VCU 7350 Plant Series CCS
Logging methods RS WAA 510 Forest type Hemlock
Silvicultural system Clearcut 1979 Photo 1179-91

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 5 acres VC5 9 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 8 acres 800-1200 ft. 6 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 4 acres High 9 acres Very High 0 acres
Cedar 0 Hemlock 14 Mixed 0 Percent Seen 0.84 Percent Unseen 0.16 Aspect East

SOILS

This unit has 14 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.

Immediately adjacent to a A2 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the S.HASSLER PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

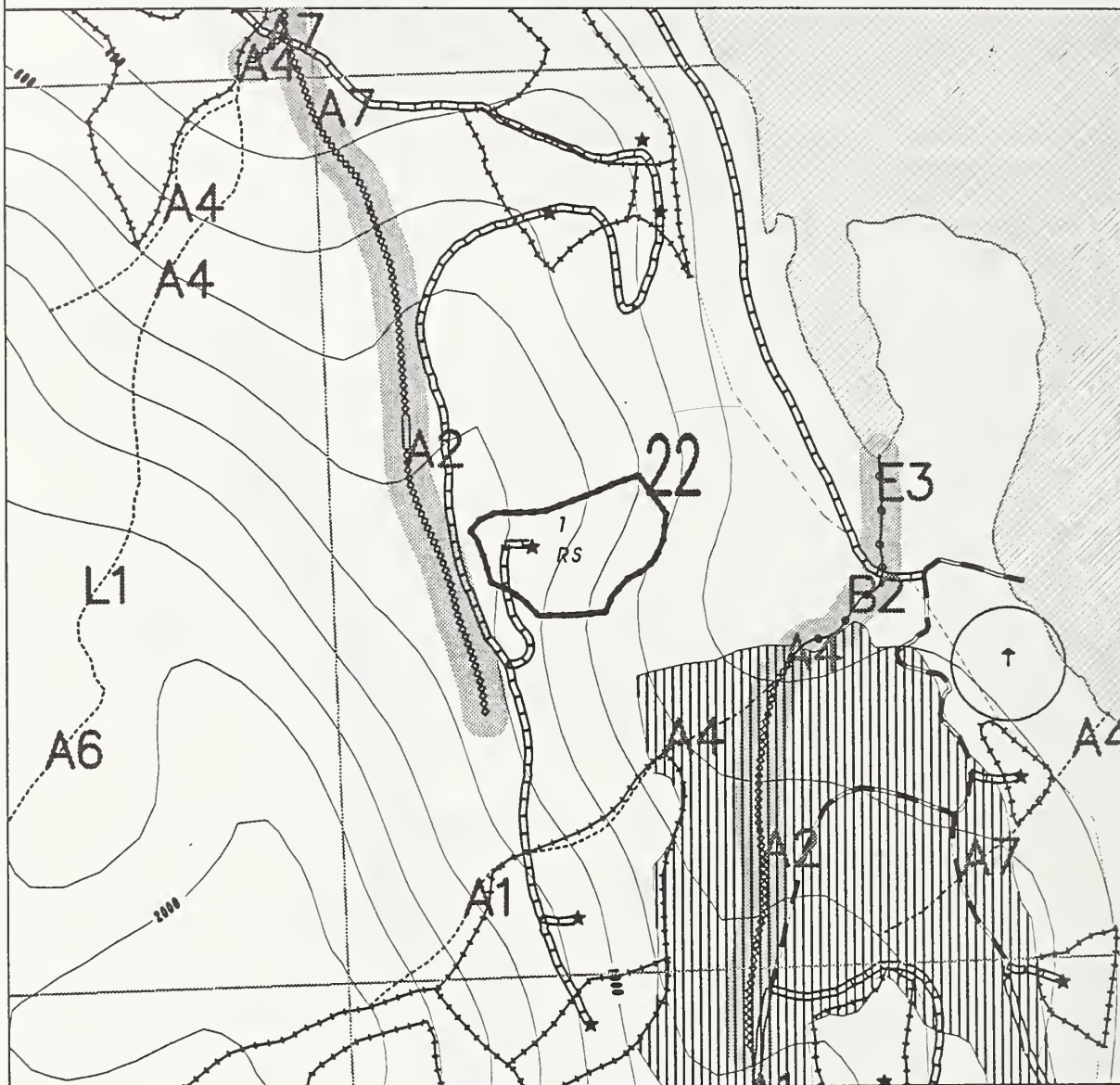
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5049

PLANNED HARVEST UNIT MAP

ACRES: 14 VOLUME: 407 MBF QUAD(s): KTHDS QUARTER QUAD(s): SWH
 PHOTO NUM.: 1179-91 LANDNET INFO TOWNSHIP 82S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL

200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LOGGING SYSTEMS:
 RS RUNNING SKYLINE

LANDING ★
 EAGLE TREE (↑)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER

September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5050</u>	No. Settings <u>1</u>	Alternatives considered <u>4 5</u>	VQO <u>R</u>
Planned acres <u>60</u>		Quad <u>KINDSSWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1561</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-14</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 31 acres VC5 29 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 40 acres 800-1200 ft. 20 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 21 acres Medium 29 acres High 5 acres Very High 0 acres
Cedar 0 Hemlock 57 Mixed 3 Percent Seen 0.99 Percent Unseen 0.01 Aspect North

SOILS

This unit has 5 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 48 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/W.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
This unit will need boundary modification by a landscape architect to meet the adopted VQO for this project.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

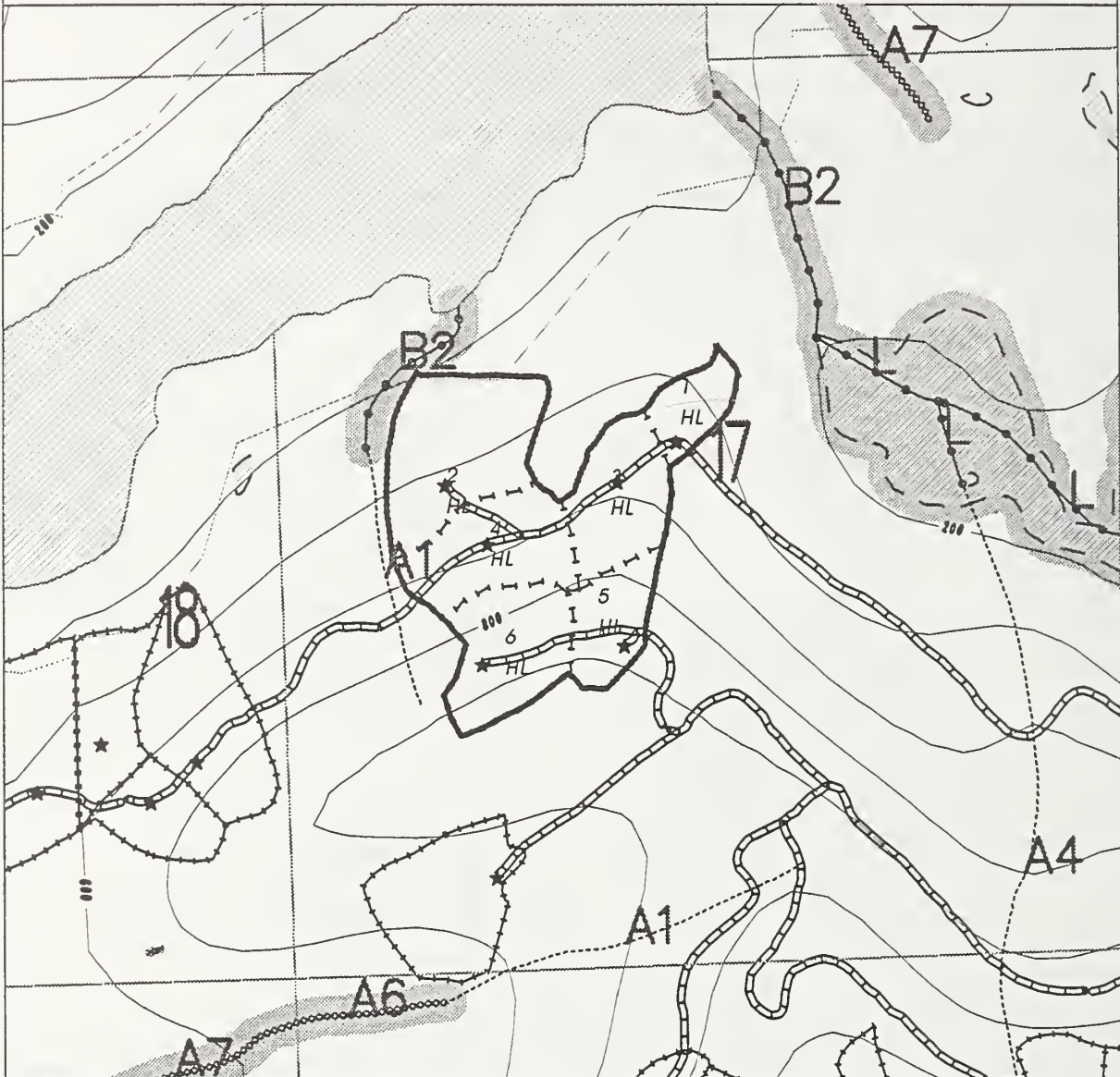
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5050

PLANNED HARVEST UNIT MAP

ACRES: 55 VOLUME: 1561 MBP QUAD(s): KTNDS QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-84 LANDNET INFO TOWNSHIP 89S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following
 Intended design of the harvest unit and associated roads.

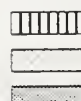


SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:
 HL HIGH LEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit 5051 No. Settings 1 Alternatives considered 4 5 VQO PR
Planned acres 146 Quad KTND5SWN Windthrow risk H
Estimated volume (mbf) 4263 Mgmt Area K32 VCU 7350 Plant Series CMM
Logging methods HL RS HE WAA 510 Forest type Hemlock
Silvicultural system Shelter wood 1979 Photo 1179-14

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 49 acres VC5 97 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 20 acres 1200-1500 ft. 40 acres over 1500 ft. 85 acres
Mass movement index: Low 16 acres Medium 58 acres High 72 acres Very High 0 acres
Cedar 0 Hemlock 146 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 80 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 50 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.

FISH/WATERSHED

This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Maintain diversity within unit by leaving 1-5 acre-sized islands of green trees at a rate of 1 acre of island for every 20 acre harvested. Leave islands must be compatible with logging system and safe working conditions.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

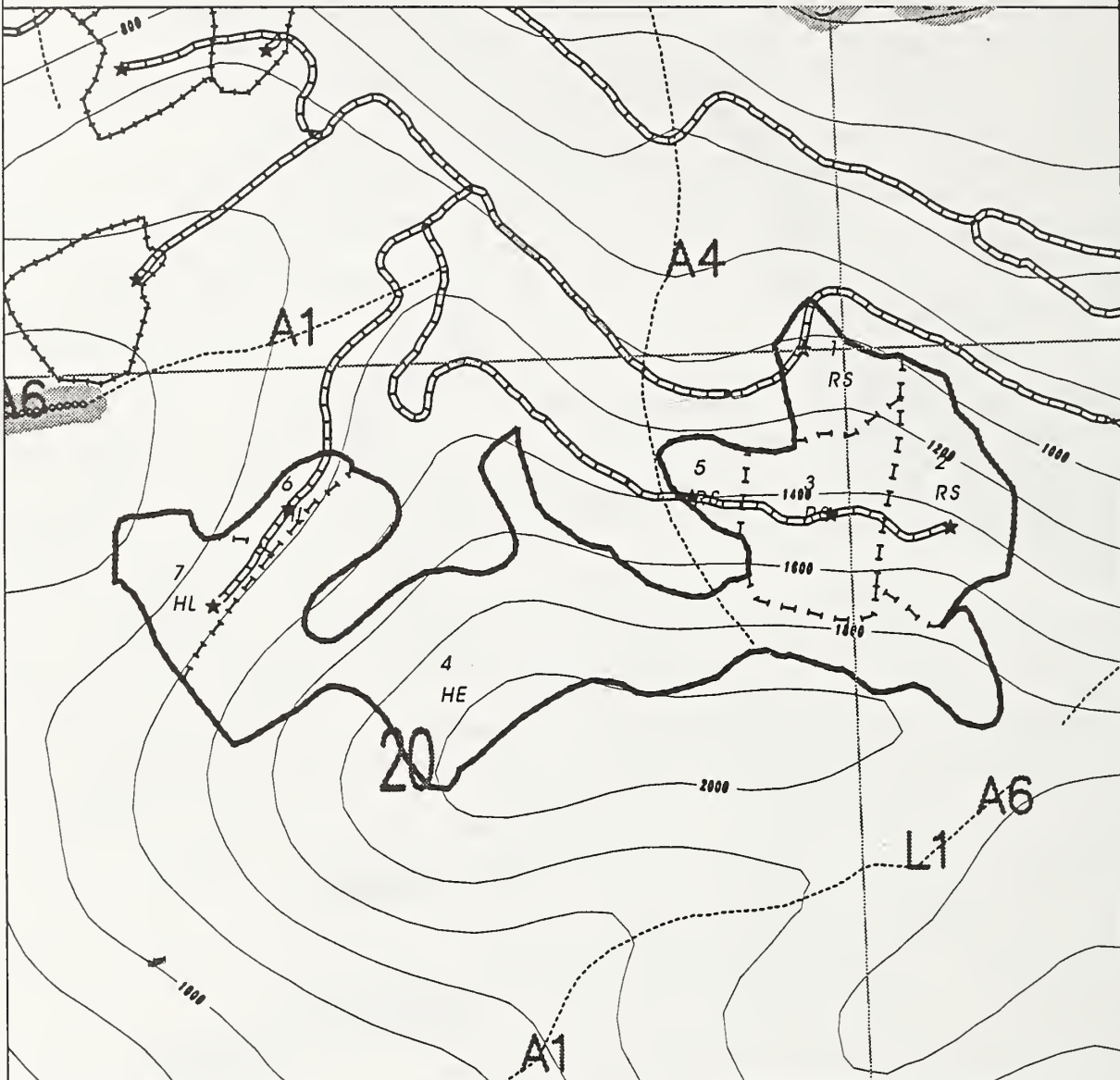
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5051

PLANNED HARVEST UNIT MAP

ACRES: 146 VOLUME: 4263 MBP QUAD(s): KTND5 QUARTER QUAD(s): NWS/SWN
 PHOTO NUM.: 1179-84 LANDNET INFO TOWNSHIP 63S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

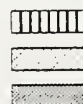
LANDING ★

EAGLE TREE (upward arrow symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HE HELICOPTER
 HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5052</u>	No. Settings <u>2</u>	Alternatives considered <u>4</u>	VQO <u>M</u>
Planned acres <u>37</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1129</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-92</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 5 acres VC5 32 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 4 acres 800-1200 ft. 12 acres 1200-1500 ft. 14 acres over 1500 ft. 7 acres
Mass movement index: Low 0 acres Medium 16 acres High 21 acres Very High 0 acres
Cedar 5 Hemlock 31 Mixed 1 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 36 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the S.HASSLER PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

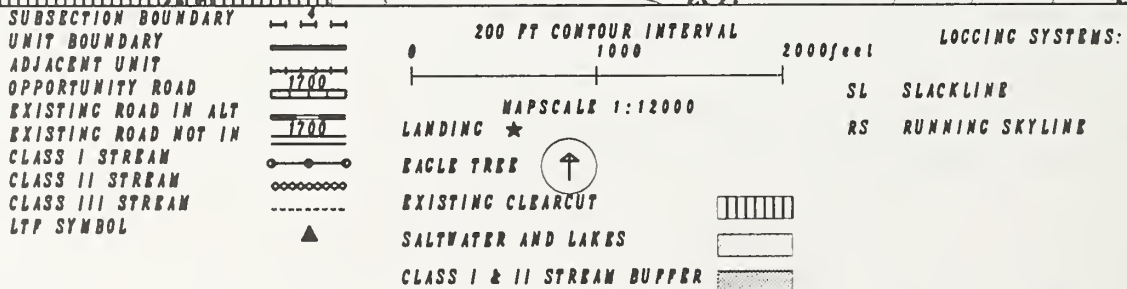
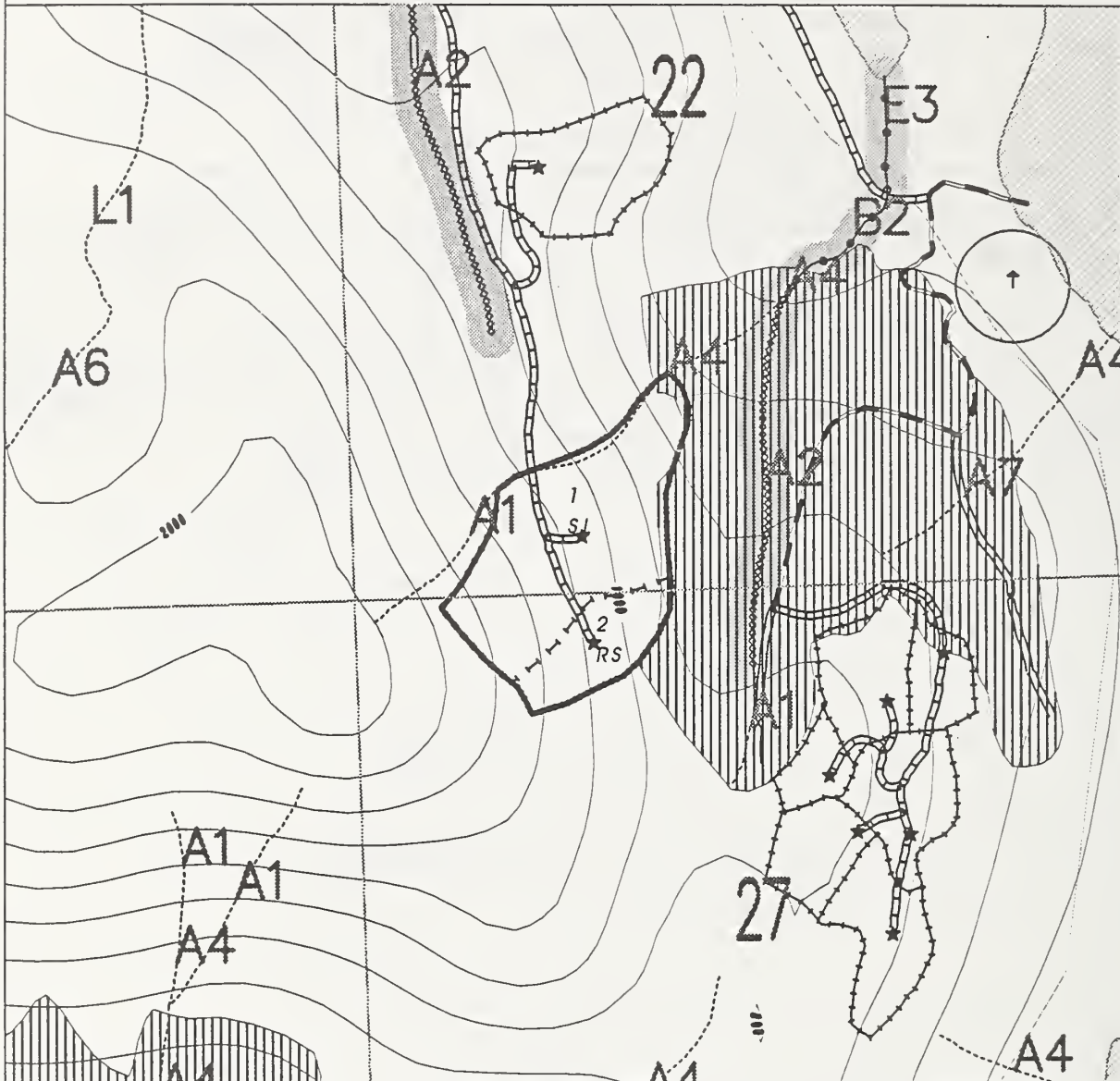
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5052

PLANNED HARVEST UNIT MAP

ACRES: 37 VOLUME: 1129 MBP QUAD(s): KTND5 QUARTER QUAD(s): SVN
 PHOTO NUM.: 1179-92 LANDNET INFO TOWNSHIP R2S RANCR 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5053</u>	No. Settings <u>1</u>	Alternatives considered <u>4</u>	VQO <u>PR</u>
Planned acres <u>14</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>407</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-91</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 5 acres VC5 9 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 8 acres 800-1200 ft. 6 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 4 acres High 9 acres Very High 0 acres
Cedar 0 Hemlock 14 Mixed 0 Percent Seen 0.84 Percent Unseen 0.16 Aspect East

SOILS

This unit has 14 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Immediately adjacent to a A2 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the S.HASSLER PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

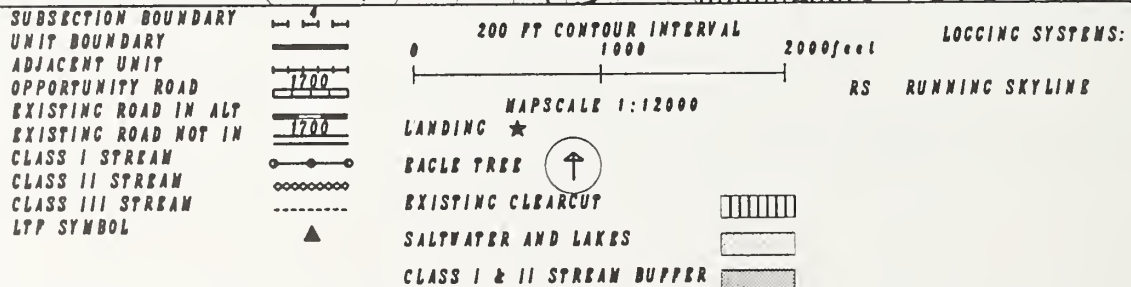
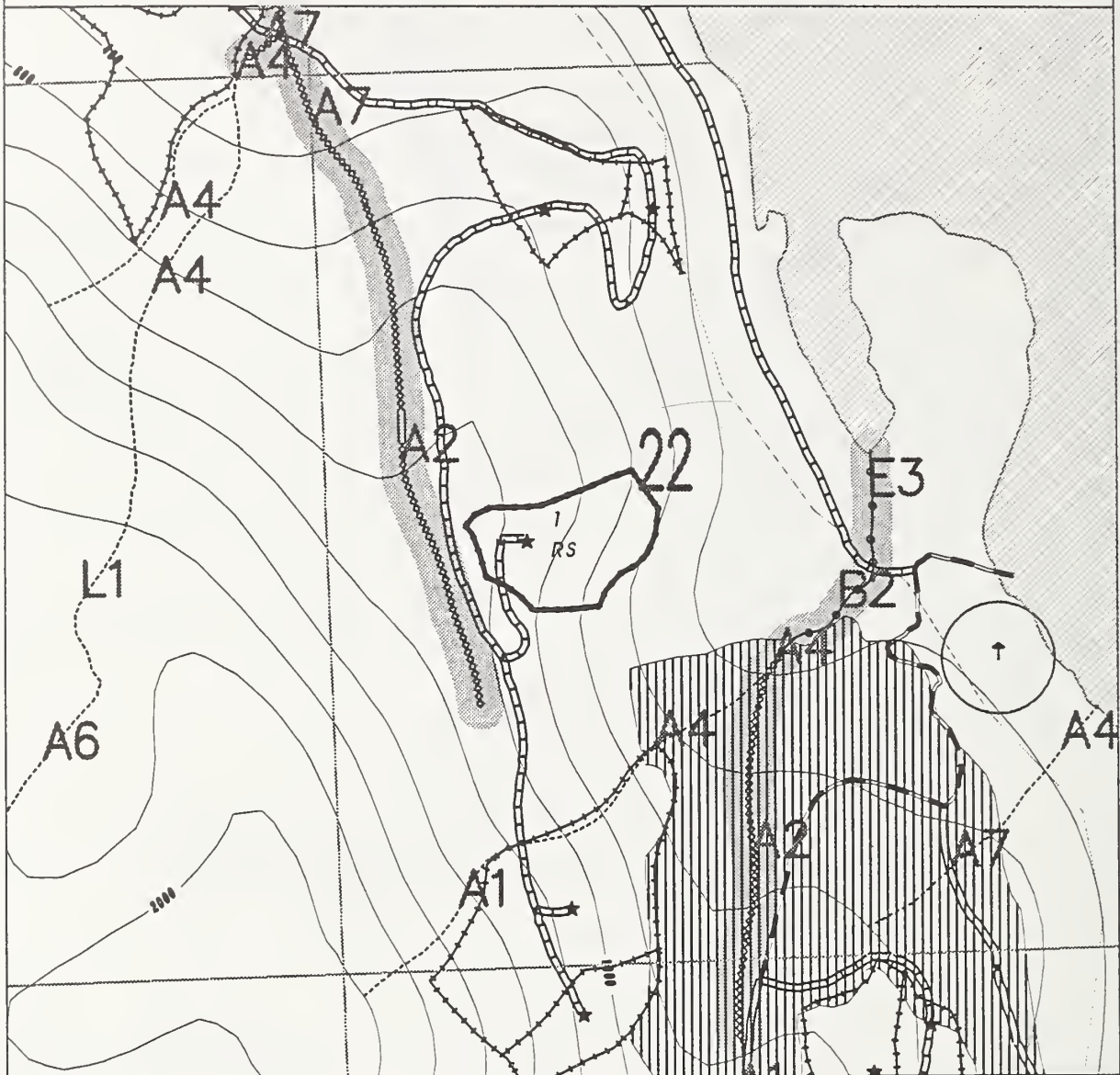
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5053

PLANNED HARVEST UNIT MAP

ACRES: 14 VOLUME: 407 MBP QUAD(s): KPND5 QUARTER QUAD(s): SWH
 PHOTO NUM.: 1179-91 LANDNET INFO TOWNSHIP 62S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5054</u>	No. Settings <u>2</u>	Alternatives considered <u>4</u>	VQO <u>PR</u>
Planned acres <u>13</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>350</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-91</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 9 acres VC5 4 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 13 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 13 acres Very High 0 acres
Cedar 0 Hemlock 13 Mixed 0 Percent Seen 0.91 Percent Unseen 0.09 Aspect East

SOILS

This unit has 13 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 7 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the S.HASSLER PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

VCU: 7350 UNIT NUMBER: 5054

ACRES: 13 VOLUME: 350 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-91 LANDNET INFO TOWNSHIP 69S RANGE 90R

MAPSCALE 1:12000



SALTWATER AND LAKES

CLASS I & II STREAM BUFFER

HL HICHLEAD

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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114



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5055</u>	No. Settings <u>7</u>	Alternatives considered <u>4</u>	VQO <u>MM</u>
Planned acres <u>39</u>		Quad <u>KIND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1058</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-90</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 26 acres VC5 13 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 39 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 3 acres Medium 17 acres High 19 acres Very High 0 acres
Cedar 0 Hemlock 39 Mixed 0 Percent Seen 0.04 Percent Unseen 0.96 Aspect East

SOILS

This unit has 39 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 14 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a B4 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.

FISH/WATERSHED

Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5055

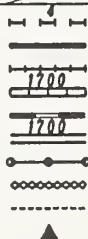
PLANNED HARVEST UNIT MAP

ACRES: 39 VOLUME: 1058 MBF QUAD(s): KTND5 QUARTER QUAD(s): NWS
 PHOTO NUM.: 1179-80 LANDNET INFO TOWNSHIP 82S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



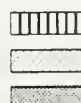
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HICHLAND



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5056</u>	No. Settings <u>6</u>	Alternatives considered <u>4</u>	VQO <u>R</u>
Planned acres <u>51</u>		Quad <u>KTND5NWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1417</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>HL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Shelter wood</u>		1979 Photo <u>1179-90</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 29 acres VC5 22 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 51 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 12 acres High 38 acres Very High 0 acres
Cedar 0 Hemlock 51 Mixed 0 Percent Seen 0.84 Percent Unseen 0.16 Aspect East

SOILS

This unit has 50 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 29 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potentially very low volume per acre.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a B4 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.

FISH/WATERSHED

Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of R as seen from viewpoints within the BEHM/N.HASSLER viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5058

PLANNED HARVEST UNIT MAP

ACRES: 51 VOLUME: 1417 MBF QUAD(s): KTND5 QUARTER QUAD(s): NVS
 PHOTO NUM.: 1179-90 LANDMET INFO TOWNSHIP 69S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT (rectangle with vertical lines)
 SALTWATER AND LAKES (horizontal wavy line)
 CLASS I & II STREAM BUFFER (shaded rectangle)

LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>5057</u>	No. Settings <u>1</u>	Alternatives considered <u>3 5 6</u>	VQO <u>PR</u>
Planned acres <u>2</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>63</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-14</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 2 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 2 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 2 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 2 Mixed 0 Percent Seen 0.98 Percent Unseen 0.02 Aspect East

SOILS

There are no soils mitigation measures anticipated for this unit.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of PR, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 5057

PLANNED HARVEST UNIT MAP

ACRES: 2 VOLUME: 63 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-14 LANDNET INFO TOWNSHIP 69S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

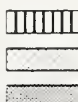
LANDING ★

BACLE TREE (upward arrow)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



October 13, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6001</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>24</u>		Quad <u>KTND6SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>600</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WDC</u>
Logging methods <u>HL SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-20</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 24 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 24 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 10 acres High 14 acres Very High 0 acres
Cedar 0 Hemlock 21 Mixed 3 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 24 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 2 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nestsite is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/NW NEETS BAY viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6001

PLANNED HARVEST UNIT MAP

ACRES: 24 VOLUME: 600 MBP QUAD(s): KTND6 QUARTER QUAD(s):
 PHOTO NUM.: 1179-20 LANDNET INFO TOWNSHIP 70S RANGE 22E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (up arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE
 HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6002</u>	No. Settings <u>4</u>	Alternatives considered <u>2 4 5 6</u>	VQO <u>M</u>
Planned acres <u>44</u>		Quad <u>KTND6SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1261</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WDC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-39</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 19 acres VC5 25 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 44 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 7 acres Medium 37 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 44 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 44 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 7 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.

Immediately adjacent to a A6 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

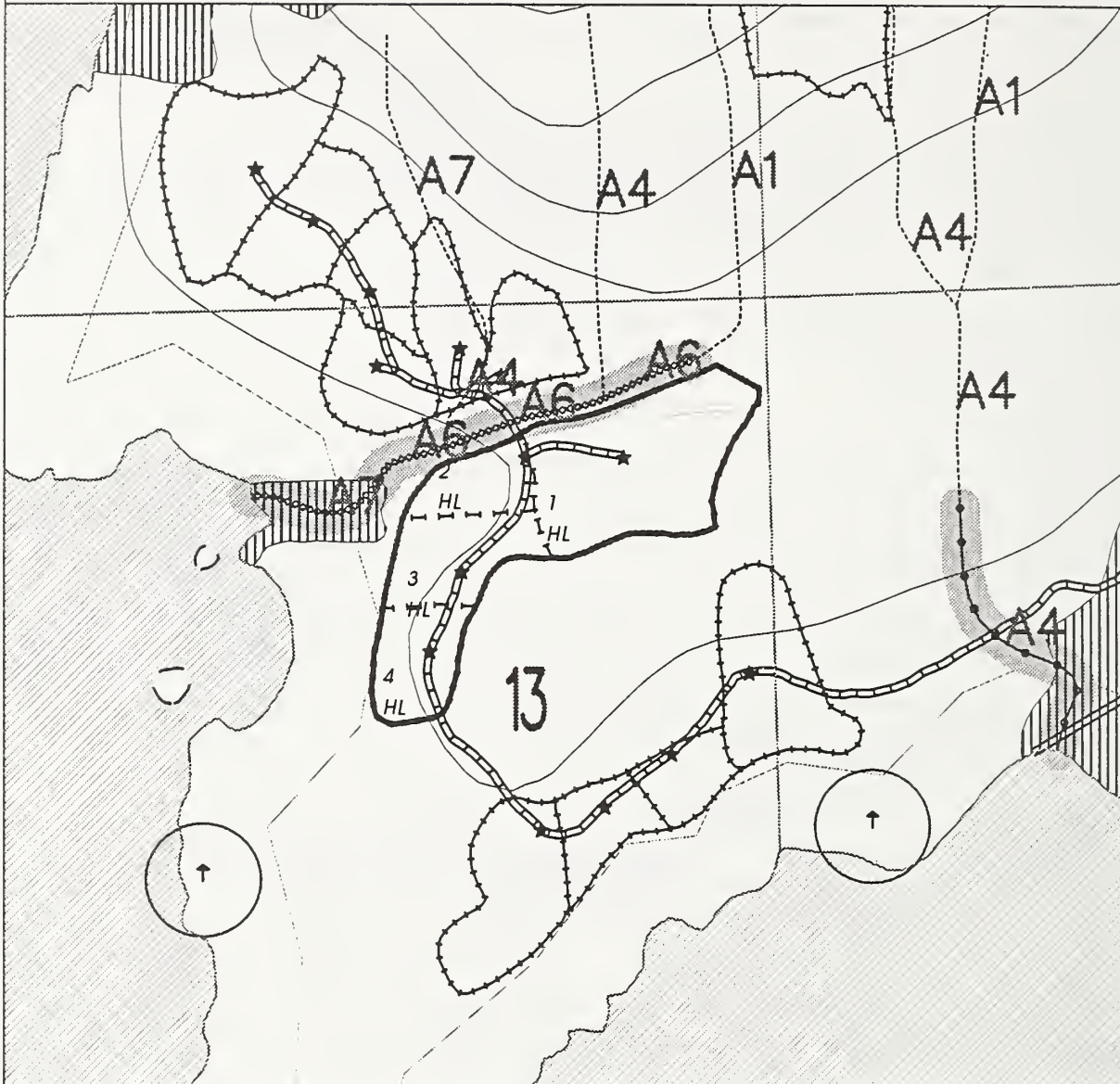
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6002

PLANNED HARVEST UNIT MAP

ACRES: 44 VOLUME: 1261 MBF QUAD(s): KTND6 QUARTER QUAD(s):
 PHOTO NUM.: 1179-39 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



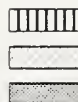
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 RAGLE TREE (upward arrow in circle)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6003</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u> <u>4</u> <u>6</u>	VQO <u>M</u>
Planned acres <u>72</u>		Quad <u>KTND6SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2258</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCD</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Shelter wood</u>		1979 Photo <u>1179-38</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 72 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 2 acres 800-1200 ft. 23 acres 1200-1500 ft. 43 acres over 1500 ft. 4 acres
Mass movement index: Low 10 acres Medium 0 acres High 62 acres Very High 0 acres
Cedar 0 Hemlock 72 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has 72 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 56 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 3 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

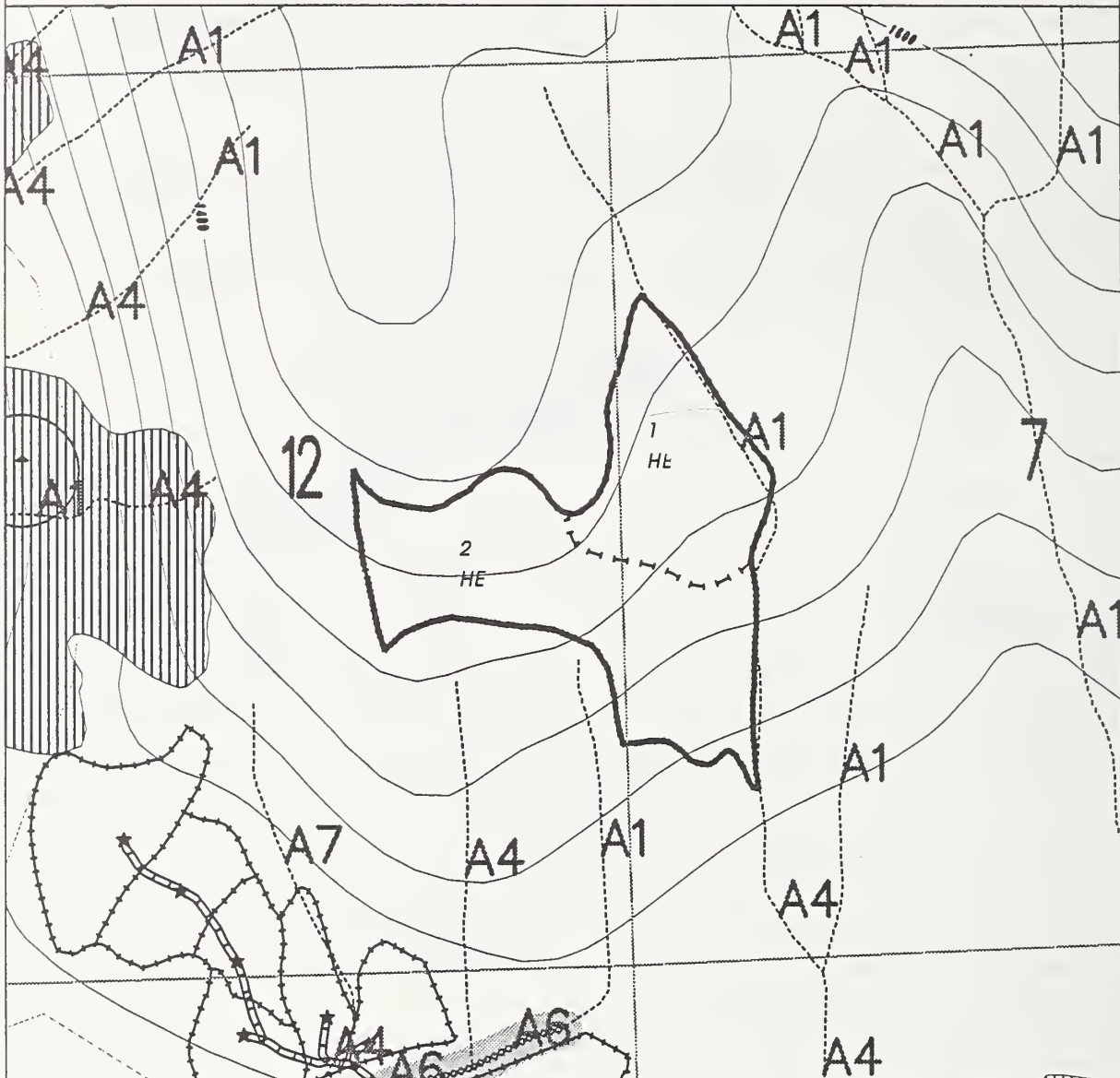
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6003

PLANNED HARVEST UNIT MAP

ACRES: 72 VOLUME: 2258 MBP QUAD(°): KTND6 QUARTER QUAD(°): SEN/
 PHOTO NUM.: 1179-38 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (↑)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:
 HE HELICOPTER



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6004</u>	No. Settings <u>5</u>	Alternatives considered <u>2 4</u>	VQO <u>M</u>
Planned acres <u>78</u>		Quad <u>KTND6SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2311</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCD</u>
Logging methods <u>HL SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-39</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 21 acres VC5 57 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 76 acres 800-1200 ft. 2 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 17 acres Medium 7 acres High 54 acres Very High 0 acres
Cedar 0 Hemlock 78 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 77 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 20 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Replanting of yellow and red cedar should be considered.
Recommendation is to perform a prescribed burn after harvest is completed to promote regeneration.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6004

PLANNED HARVEST UNIT MAP

ACRES: 78 VOLUME: 2311 MBP QUAD(s): KTND6 QUARTER QUAD(s): SEN/
 PHOTO NUM.: 1179-39 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000
 LANDING ★
 BACLE TREE (upward arrow in circle)
 EXISTING CLEARCUT (hatched box)
 SALTWATER AND LAKES (light blue box)
 CLASS I & II STREAM BUPPER (dark blue box)

LOGGING SYSTEMS:

SL SLACKLINE
 HL HIGHLEAD
 RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6005</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u>	VQO <u>M</u>
Planned acres <u>24</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>753</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WDC</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-37</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 24 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 19 acres 800-1200 ft. 5 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 2 acres High 22 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 24 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.20 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A5 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nest site is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/NW NEETS BAY viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

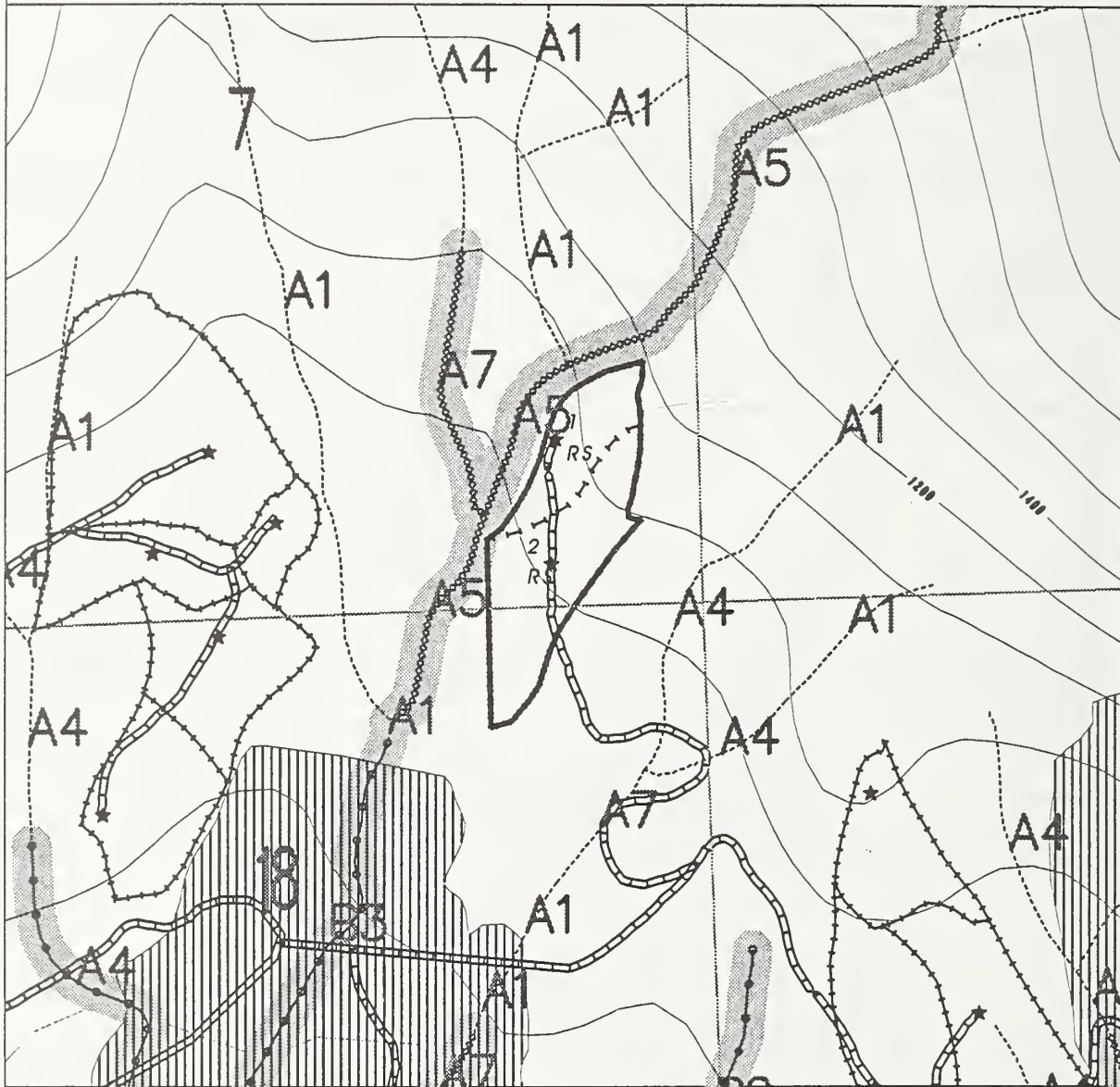
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6005

PLANNED HARVEST UNIT MAP

ACRES: 24 VOLUME: 753 MBF QUAD(s): KTND5/KTND6 QUARTER QUAD(s): SWS/
 PHOTO NUM.: 1179-37 LANDMET INFO TOWNSHIP 70S RANGE 20R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL

0 1000 2000 feet

MAP SCALE 1:12000

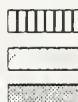
LANDING ★

EAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6006</u>	No. Settings <u>3</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>75</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1950</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-75</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 63 acres VC5 12 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 73 acres 800-1200 ft. 2 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 74 acres High 1 acres Very High 0 acres
Cedar 0 Hemlock 63 Mixed 12 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 53 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction on 0.10 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

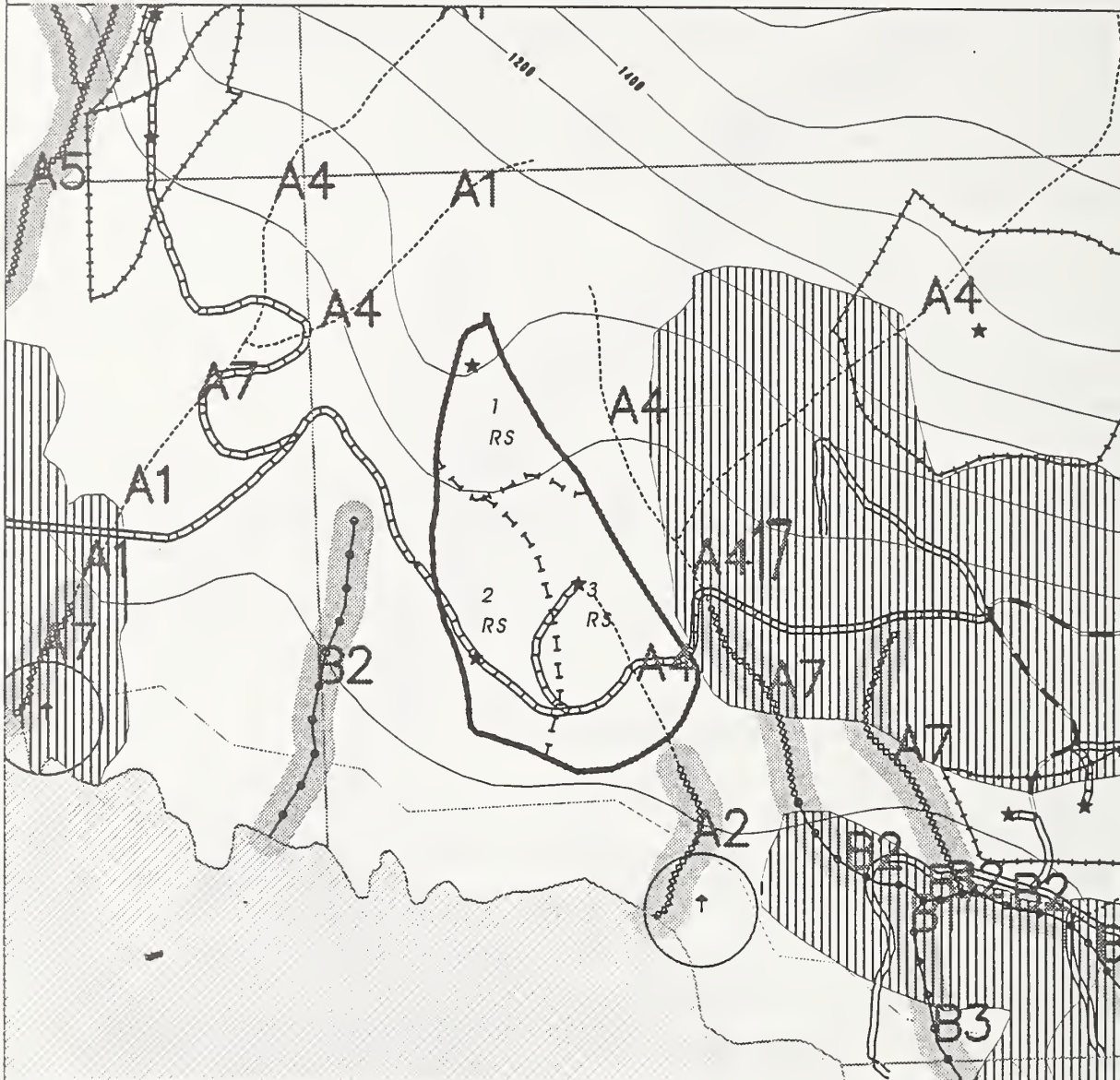
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6006

PLANNED HARVEST UNIT MAP

ACRES: 75 VOLUME: 1950 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-75 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

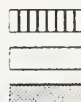
LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6007</u>	No. Settings <u>1</u>	Alternatives considered <u>2 4</u>	VQO <u>MM</u>
Planned acres <u>48</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1339</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCD</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Shelter wood</u>		1979 Photo <u>1179-75</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 26 acres VC5 22 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 2 acres 800-1200 ft. 23 acres 1200-1500 ft. 23 acres over 1500 ft. 0 acres
Mass movement index: Low 20 acres Medium 3 acres High 25 acres Very High 0 acres
Cedar 0 Hemlock 42 Mixed 6 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 48 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 28 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 19 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

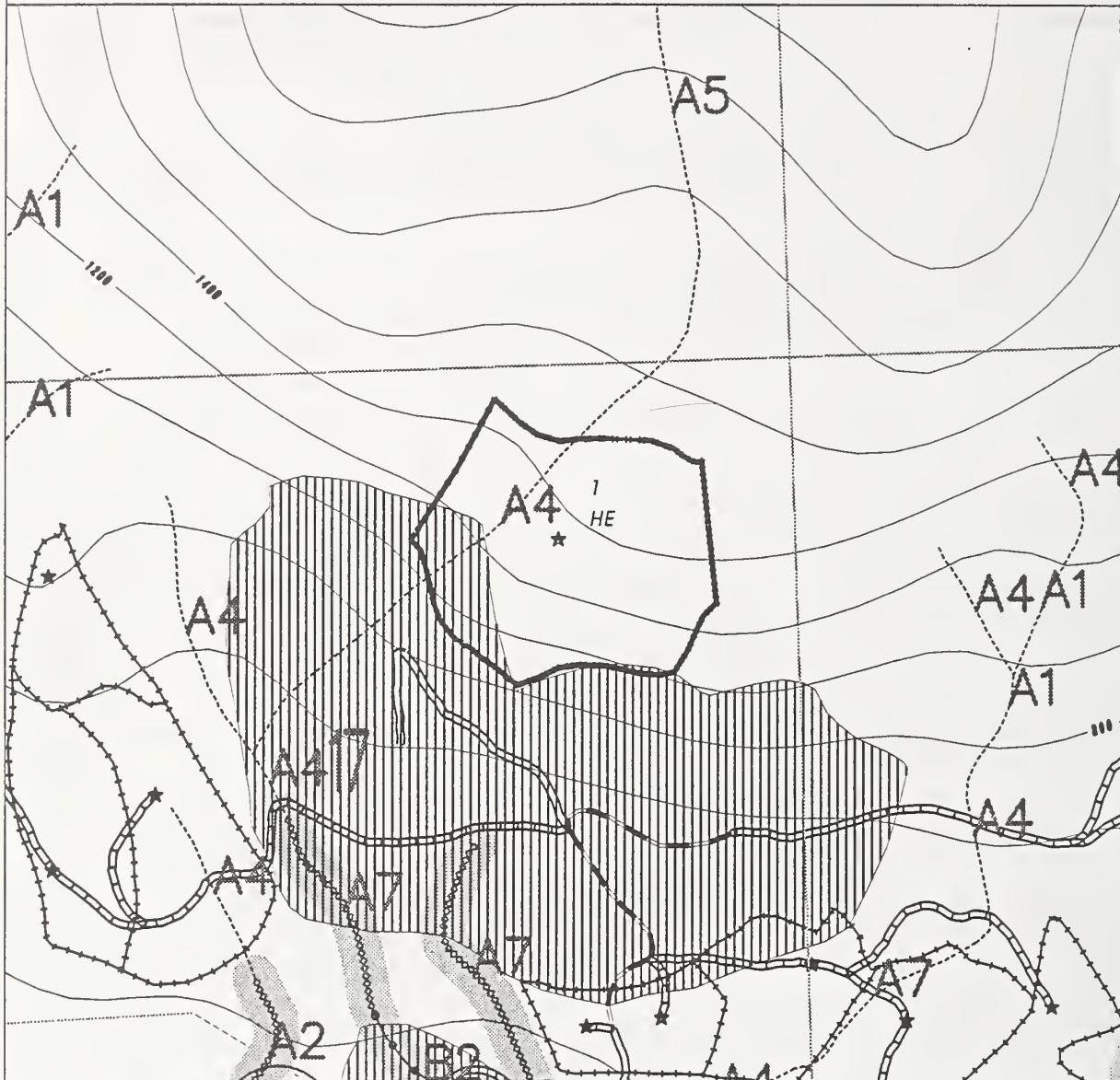
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6007

PLANNED HARVEST UNIT MAP

ACRES: 48 VOLUME: 1339 MBF QUAD(s): KTND5 QUARTER QUAD(s): SW5
 PHOTO NUM.: 1179-75 LANDNET INFO TOWNSHIP 70S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6008</u>	No. Settings <u>5</u>	Alternatives considered <u>2 3 6</u>	VQO <u>MM</u>
Planned acres <u>74</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2047</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CMB</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-75</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 43 acres VC5 31 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 74 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 52 acres Medium 22 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 68 Mixed 6 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 74 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 73 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A7 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Maintain adequate distribution of snags by leaving 0.1 acre-sized patches of green trees within the unit for every 10 acres harvested. Snag patches must be compatible with logging system and safe working conditions.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

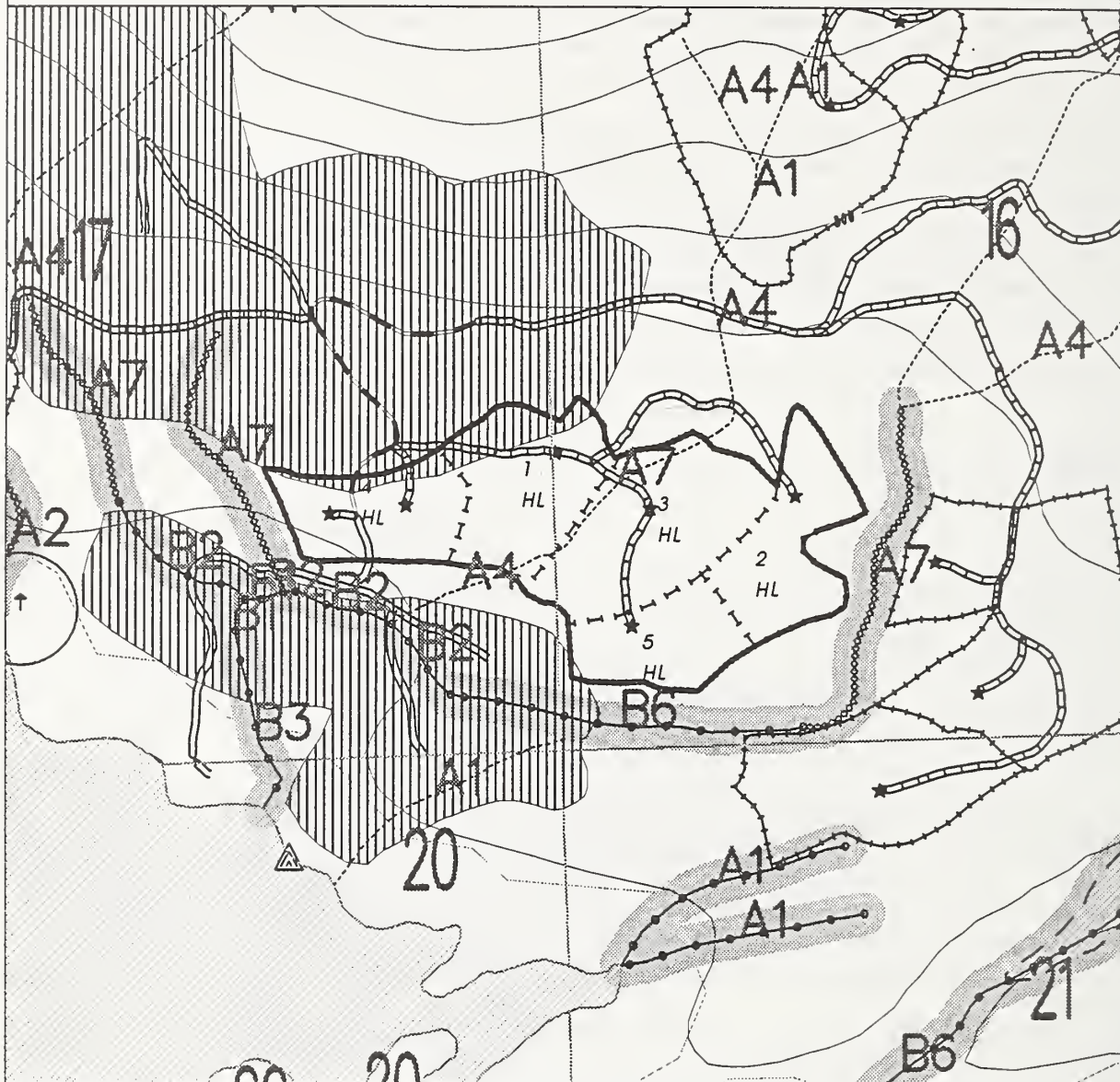
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6008

PLANNED HARVEST UNIT MAP

ACRES: 74 VOLUME: 2047 MBF QUAD(s): KTND5 QUARTER QUAD(s): SVS
 PHOTO NUM.: 1179-75 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

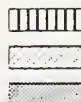
LANDING ★

EAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6009</u>	No. Settings <u>5</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>61</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1779</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 21 acres VC5 40 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 61 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 53 acres Medium 8 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 61 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 61 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 10 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 1 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction on 0.03 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

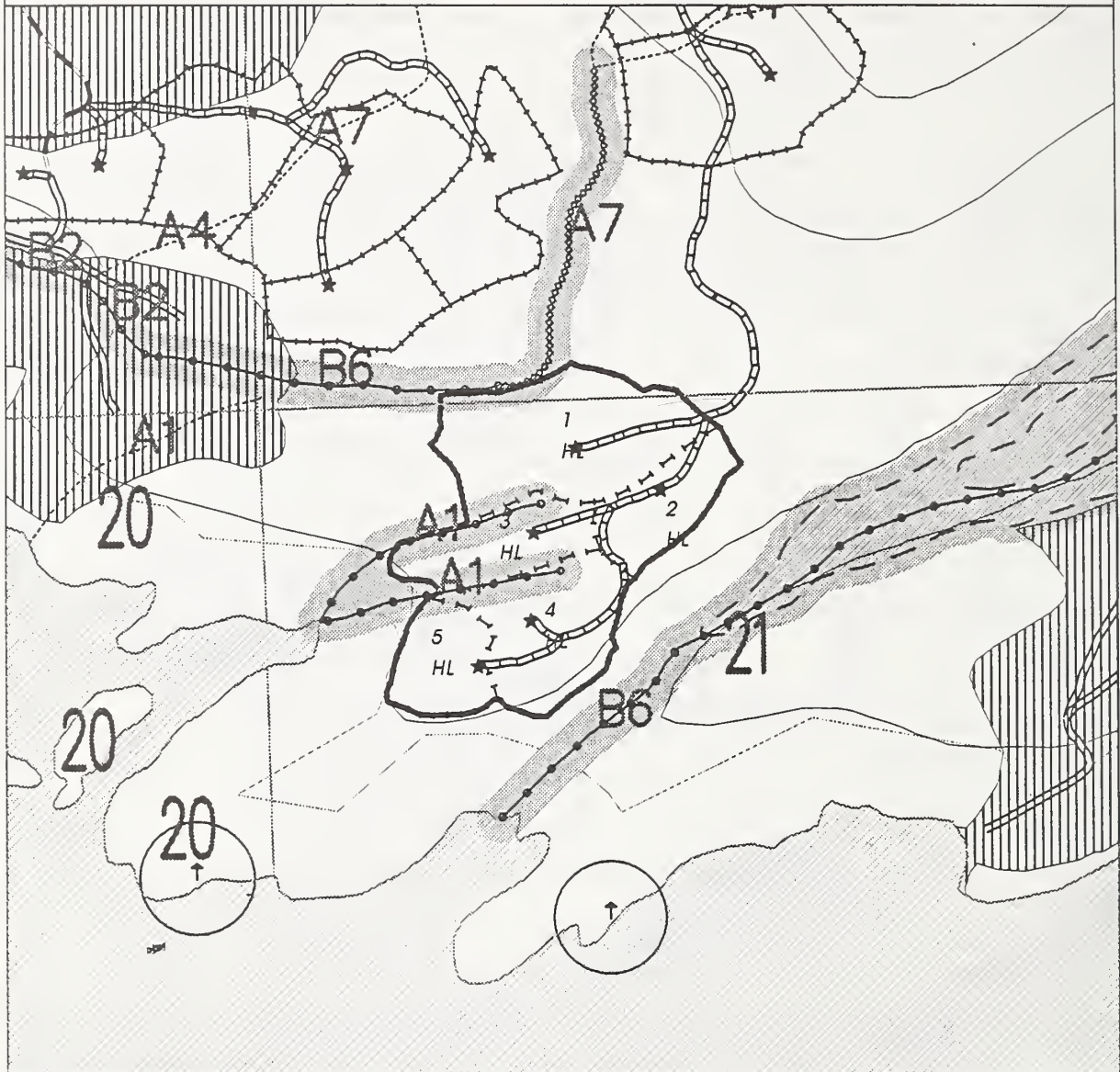
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6009

PLANNED HARVEST UNIT MAP

ACRES: 61 VOLUME: 1779 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

NAPS SCALE 1:12000

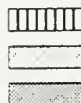
LANDING ★

EAGLE TREE (star symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6010</u>	No. Settings <u>3</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>76</u>		Quad <u>KIND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2160</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 35 acres VC5 41 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 39 acres 800-1200 ft. 37 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 33 acres Medium 13 acres High 30 acres Very High 0 acres
Cedar 0 Hemlock 76 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 76 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 39 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction on 0.14 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

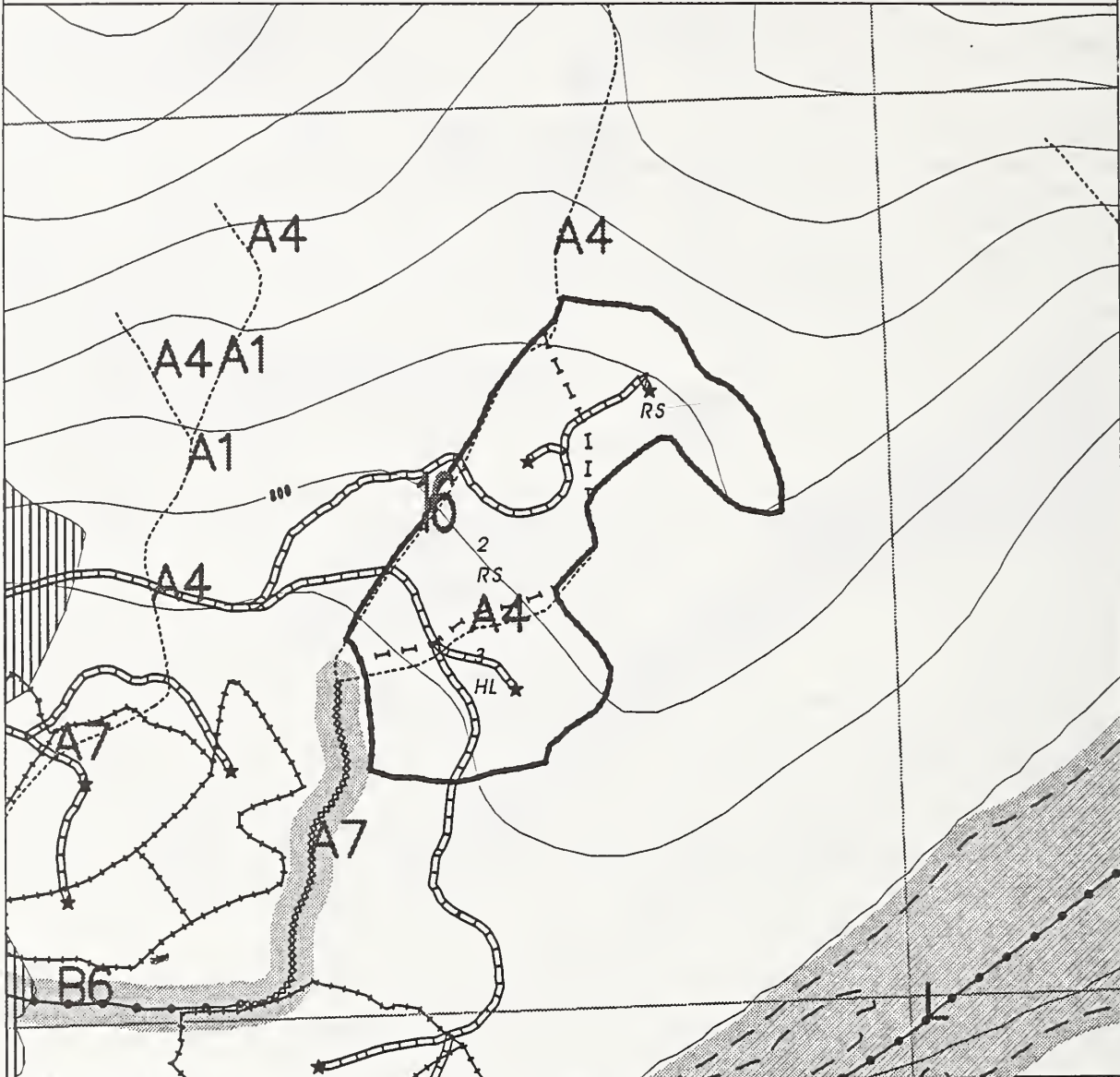
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6010

PLANNED HARVEST UNIT MAP

ACRES: 76 VOLUME: 2160 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



0 200 FT CONTOUR INTERVAL 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6011</u>	No. Settings <u>8</u>	Alternatives considered <u>2</u> <u>6</u>	VQO <u>MM</u>
Planned acres <u>49</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1383</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 24 acres VC5 25 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 49 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 33 acres High 16 acres Very High 0 acres
Cedar 0 Hemlock 49 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 49 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 9 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 33 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Maintain adequate distribution of snags by leaving 0.1 acre-sized patches of green trees within the unit for every 10 acres harvested. Snag patches must be compatible with logging system and safe working conditions.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

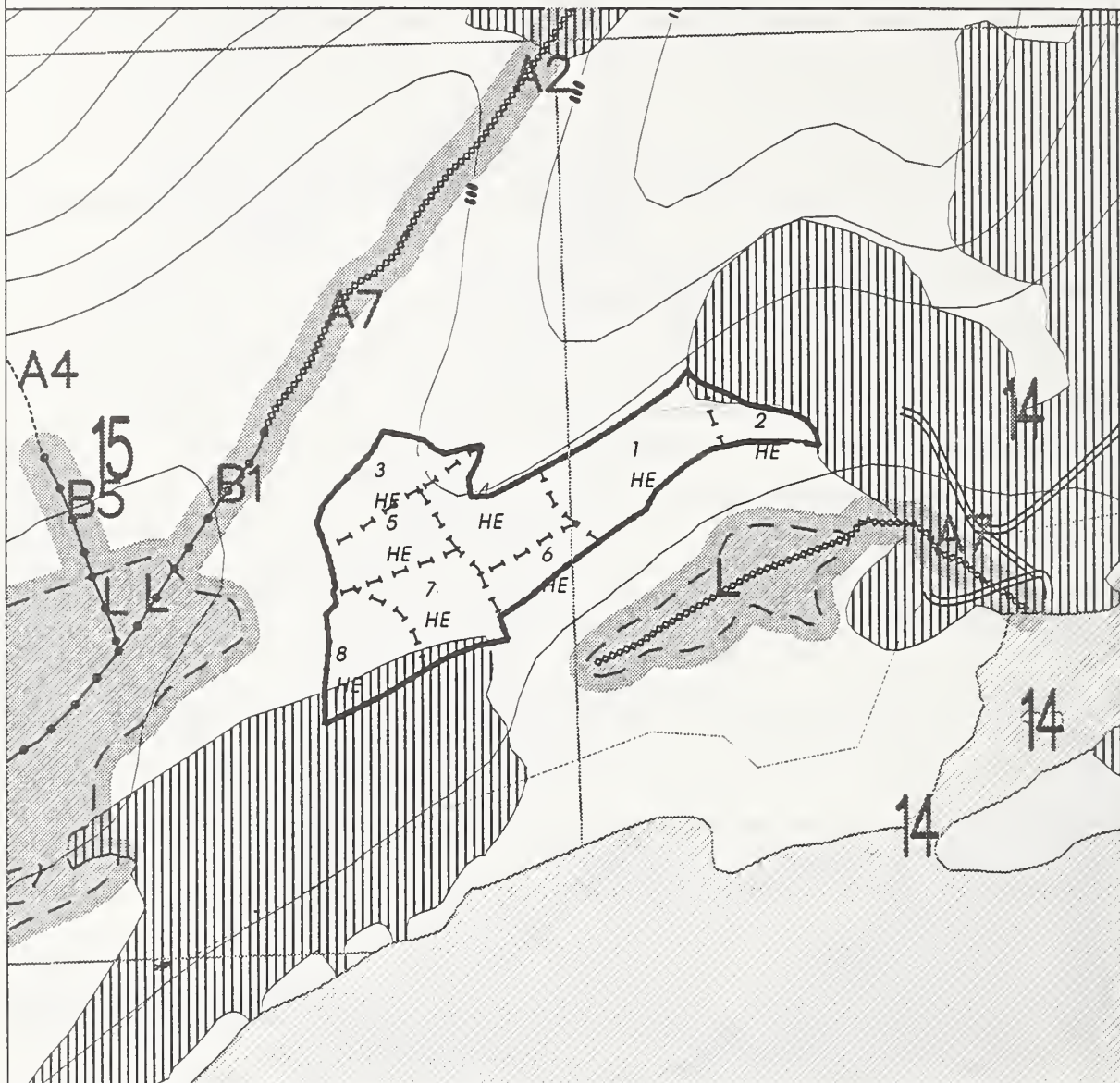
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7380 UNIT NUMBER: 6011

PLANNED HARVEST UNIT MAP

ACRES: 49 VOLUME: 1383 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-13 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE ↑
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6012</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u>	VQO <u>M</u>
Planned acres <u>54</u>		Quad <u>KIND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1522</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 27 acres VC5 27 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 50 acres 800-1200 ft. 4 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 13 acres Medium 0 acres High 41 acres Very High 0 acres
Cedar 0 Hemlock 54 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 53 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 31 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 2 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a B2 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction on 0.08 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

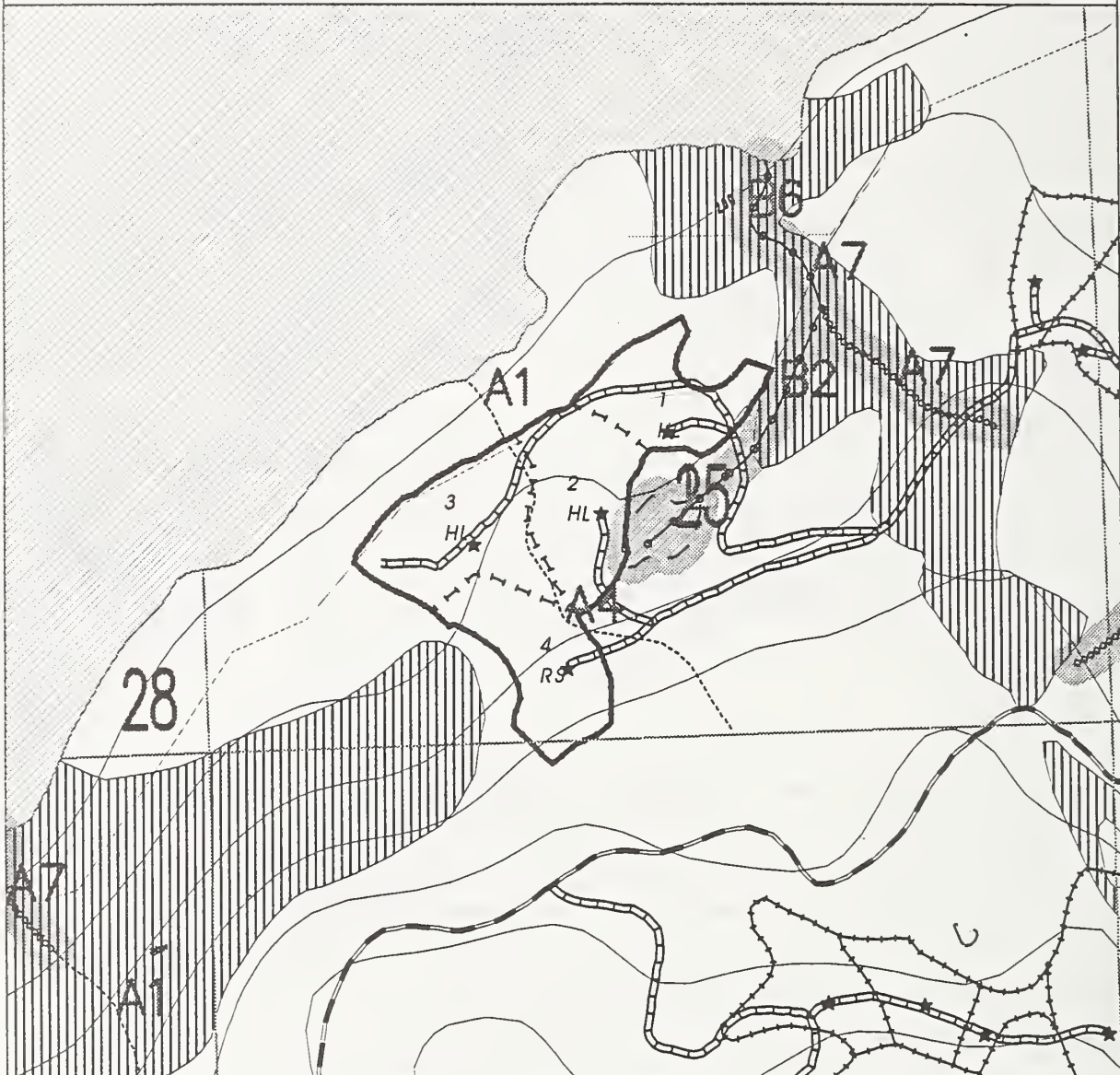
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6012

PLANNED HARVEST UNIT MAP

ACRES: 54 VOLUME: 1522 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 20E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD

RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6013</u>	No. Settings <u>7</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>56</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1642</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CMB</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 17 acres VC5 39 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 3 acres 1200-1500 ft. 30 acres over 1500 ft. 23 acres
Mass movement index: Low 0 acres Medium 10 acres High 46 acres Very High 0 acres
Cedar 0 Hemlock 51 Mixed 5 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 56 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 6 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 11 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Replanting of yellow cedar should be considered.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 1.07 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

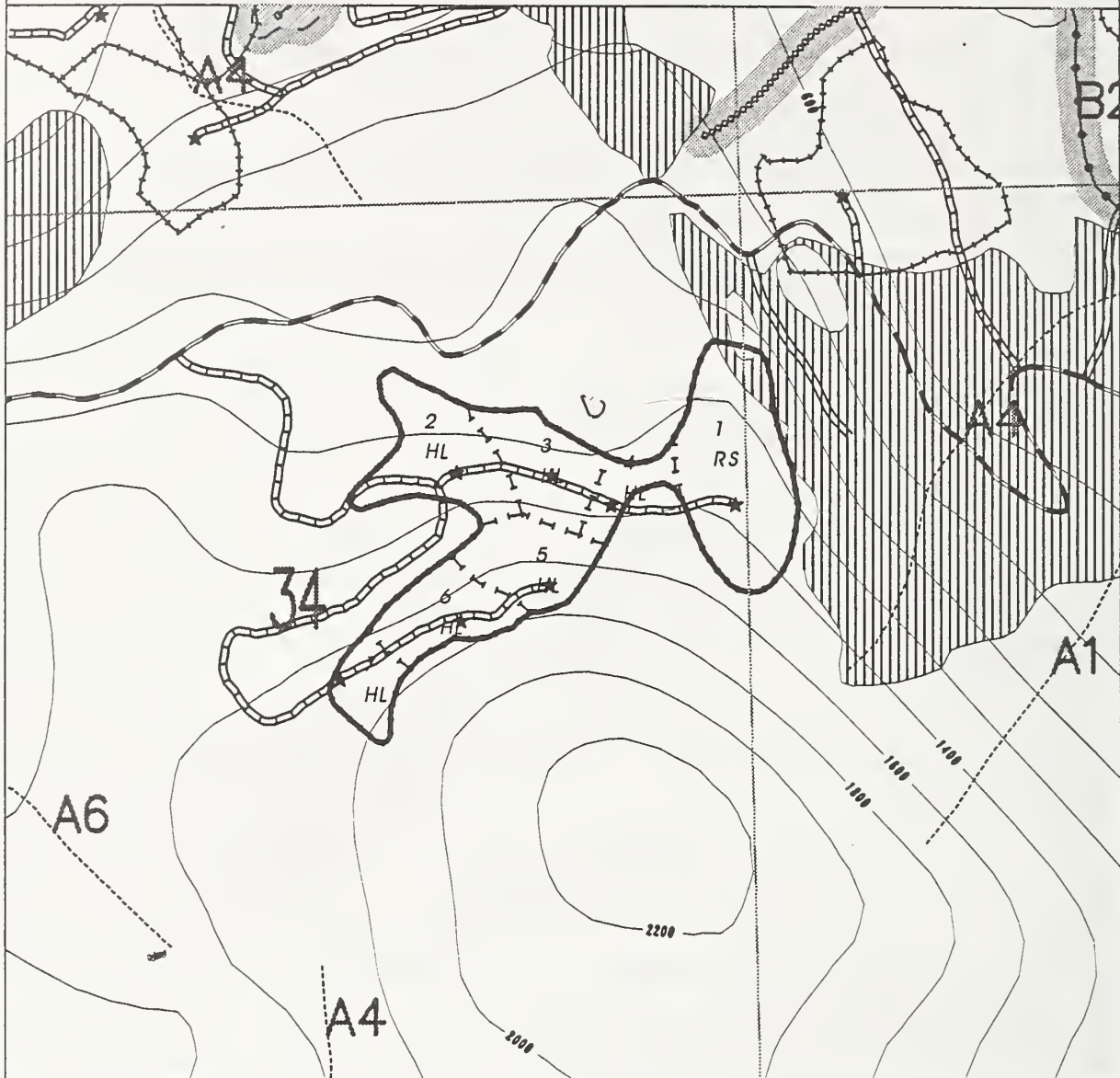
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6013

PLANNED HARVEST UNIT MAP

ACRES: 56 VOLUME: 1642 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-13 LANDNET INFO TOWNSHIP 70S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (circle with cross)

EXISTING CLEARCUT (hatched pattern)

SALTWATER AND LAKES (stippled pattern)

CLASS I & II STREAM BUFFER (shaded pattern)

LOGGING SYSTEMS:

RS RUNNING SKYLINE

HL HIGH LEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6014</u>	No. Settings <u>3</u>	Alternatives considered <u>2 4</u>	VQO <u>M</u>
Planned acres <u>39</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1007</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 32 acres VC5 7 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 12 acres 1200-1500 ft. 19 acres over 1500 ft. 7 acres
Mass movement index: Low 0 acres Medium 0 acres High 39 acres Very High 0 acres
Cedar 0 Hemlock 32 Mixed 7 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 39 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 22 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.32 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

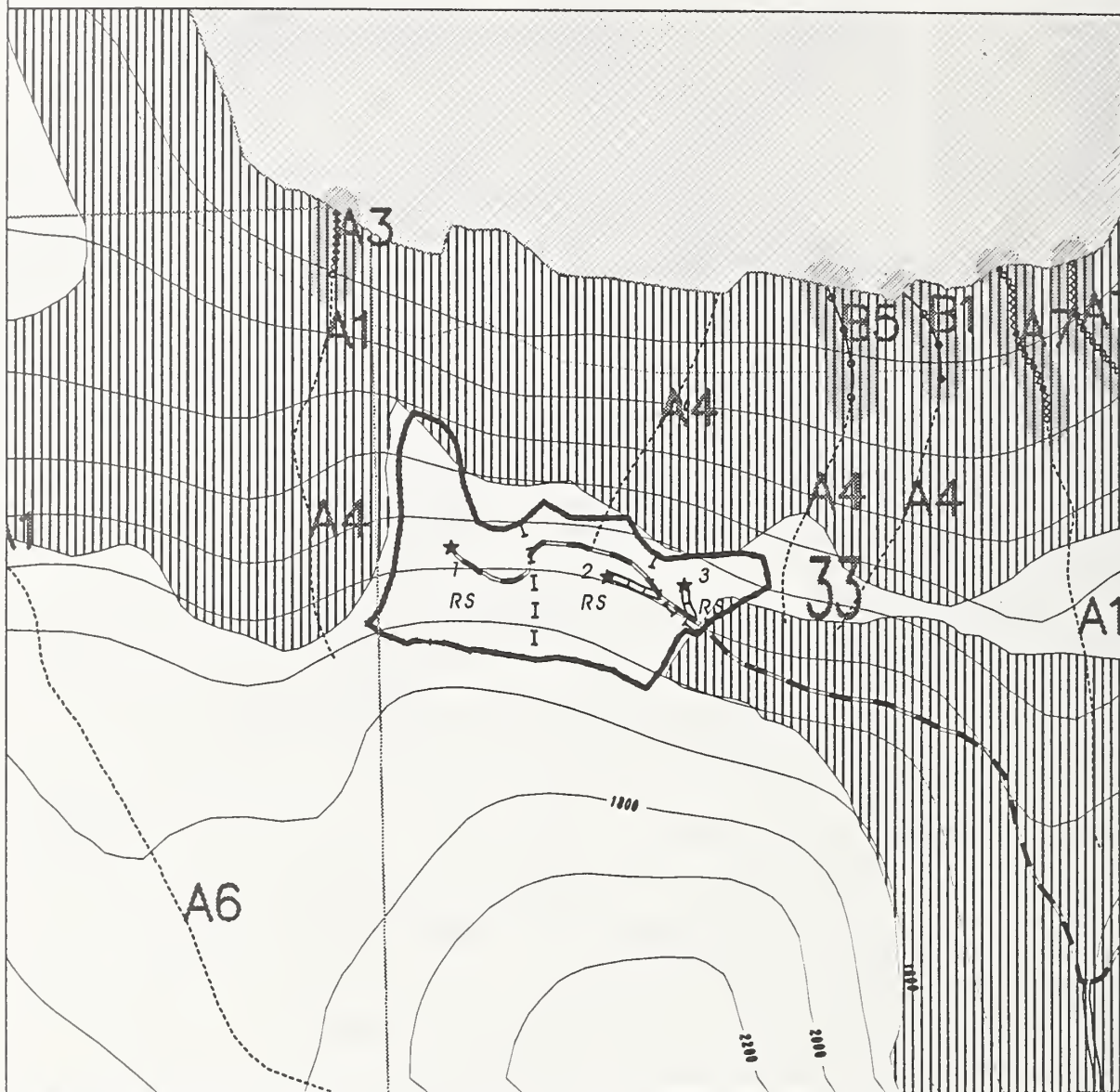
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6014

PLANNED HARVEST UNIT MAP

ACRES: 39 VOLUME: 1007 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

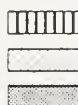
LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6015</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>M</u>
Planned acres <u>24</u>		Quad <u>KTNC5NWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>869</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-68</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 12 acres VC6 12 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 8 acres over 1500 ft. 16 acres
Mass movement index: Low 7 acres Medium 0 acres High 17 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 24 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 24 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 10 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.05 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/SW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6015

PLANNED HARVEST UNIT MAP

ACRES: 24 VOLUME: 869 MBP QUAD(s): KTNCS QUARTER QUAD(s): NW
 PHOTO NUM.: 1179-68 LANDNET INFO TOWNSHIP 71S RANGE 30R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE ↑
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6016</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u>	VQO <u>M</u>
Planned acres <u>30</u>		Quad <u>KTNC6NEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1087</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WHC</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-12</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 15 acres VC6 15 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 14 acres 1200-1500 ft. 15 acres over 1500 ft. 0 acres
Mass movement index: Low 4 acres Medium 0 acres High 26 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 30 Percent Seen 0.40 Percent Unseen 0.60 Aspect West

SOILS

This unit has 30 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 13 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.04 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/SW NEETS BAY viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

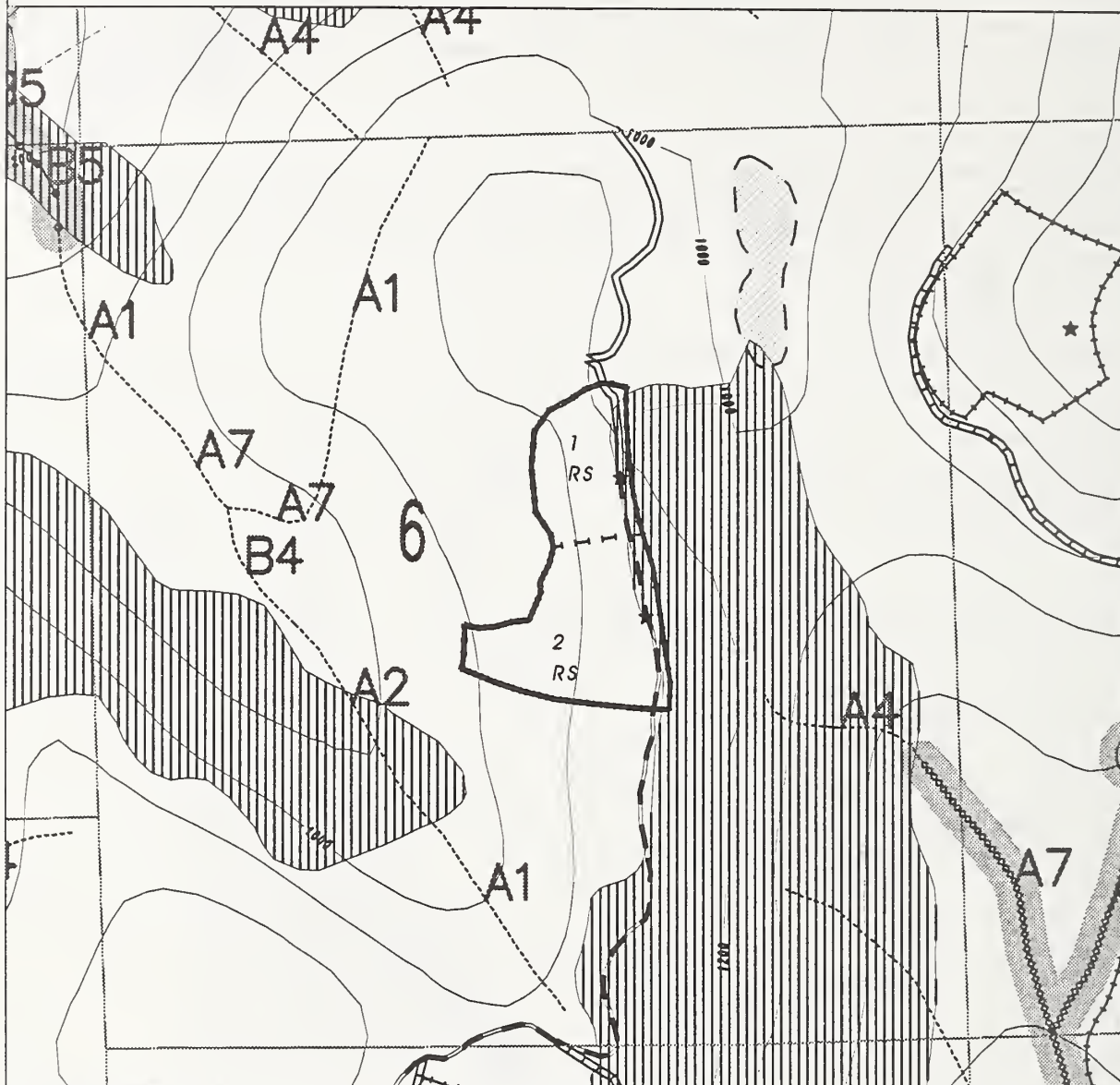
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6016

PLANNED HARVEST UNIT MAP

ACRES: 30 VOLUME: 1087 MBF QUAD(s): KTNC6 QUARTER QUAD(s): NWN
 PHOTO NUM.: 1179-12 LANDNET INFO TOWNSHIP 71S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



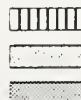
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (up arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit 6017 No. Settings 3 Alternatives considered 2 3 4 6 VQO MM
Planned acres 24 Quad KTNC6NEN Windthrow risk H
Estimated volume (mbf) 734 Mgmt Area K32 VCU 7360 Plant Series WHC
Logging methods RS WAA 510 Forest type Mixed conifer
Silvicultural system Clearcut 1979 Photo 1179-47

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 3 acres VC5 21 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 23 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 24 acres Very High 0 acres
Cedar 0 Hemlock 3 Mixed 21 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 24 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 21 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.15 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nestsite is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

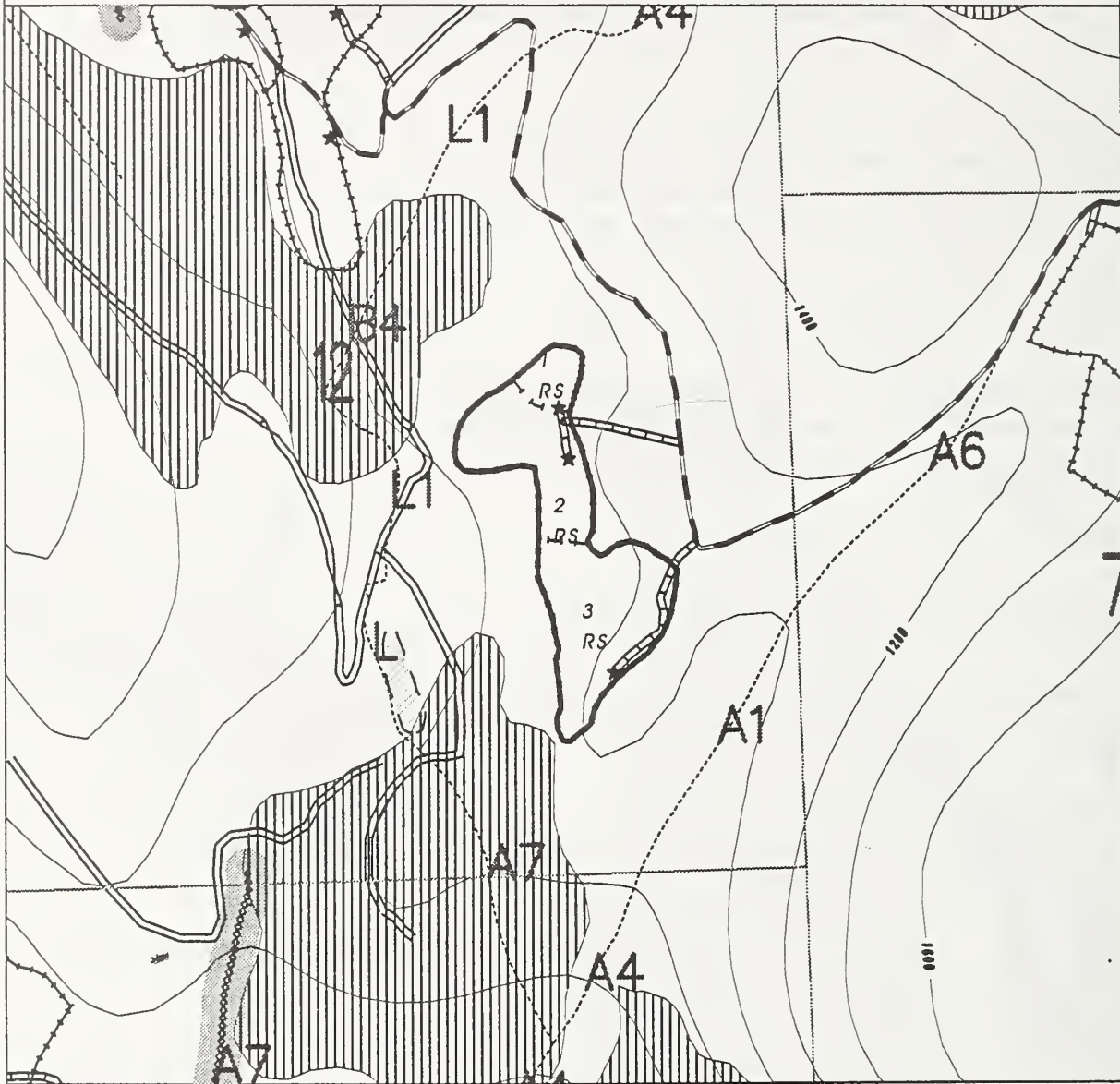
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 8017

PLANNED HARVEST UNIT MAP

ACRES: 24 VOLUME: 734 MBP QUAD(s): KTNC6 QUARTER QUAD(s): NWN
 PHOTO NUM.: 1179-47 LANDNET INFO TOWNSHIP 71S RANGE R9E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6018</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u>	VQO <u>M</u>
Planned acres <u>24</u>		Quad <u>KTNC6NEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>600</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CMM</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-12</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 24 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 8 acres 800-1200 ft. 16 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 22 acres Medium 1 acres High 1 acres Very High 0 acres
Cedar 0 Hemlock 24 Mixed 0 Percent Seen 0.19 Percent Unseen 0.81 Aspect West

SOILS

This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 12 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

The road into this unit crosses a B4 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.
Oversteepened slopes may require full bench construction on 0.11 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/SW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

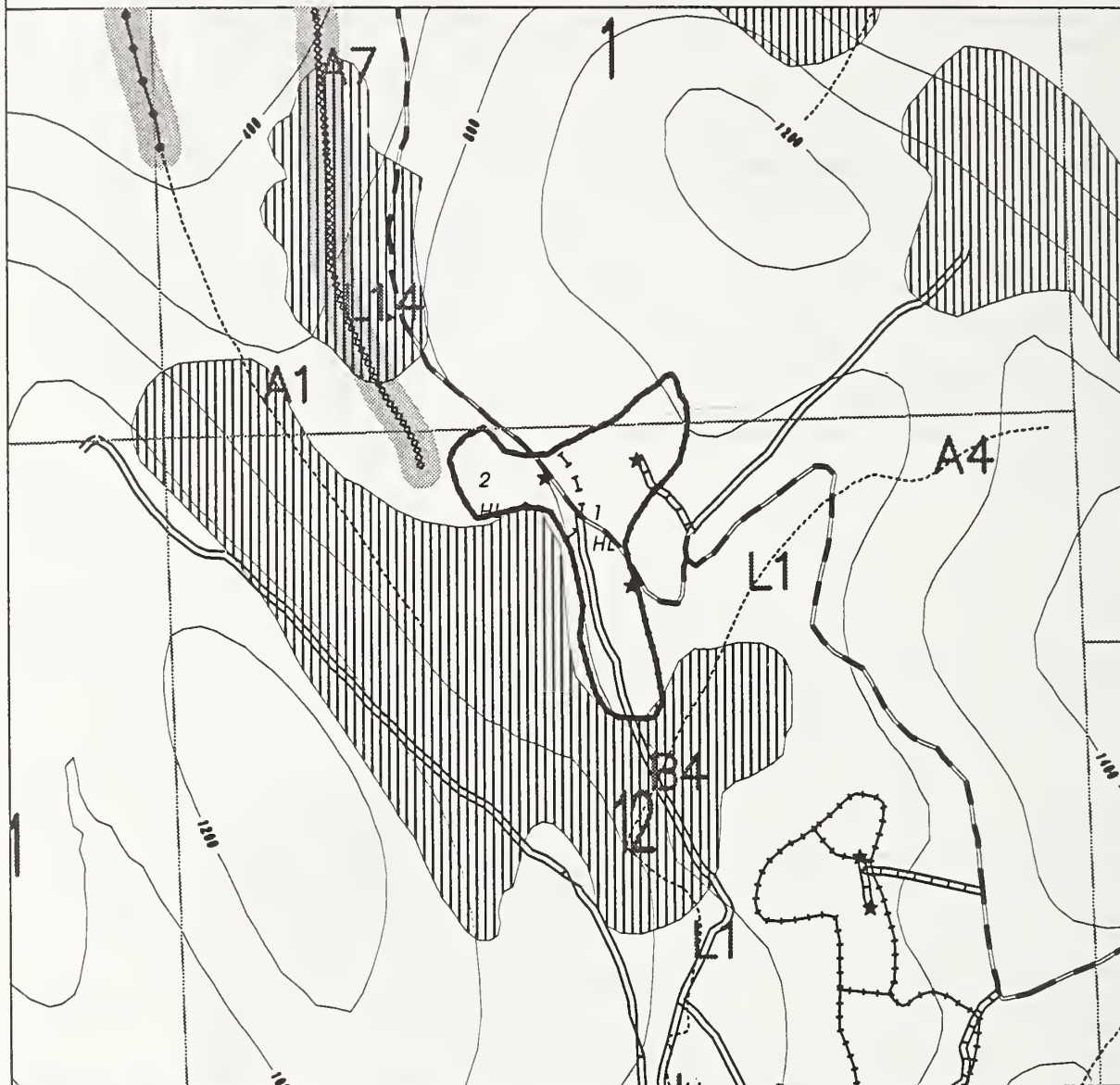
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7380 UNIT NUMBER: 8018

PLANNED HARVEST UNIT MAP

ACRES: 24 VOLUME: 600 MBF QUAD(s): KYMC6 QUARTER QUAD(s): NWN
 PHOTO NUM.: 1179-12 LANDNET INFO TOWNSHIP 71S RANGR A9E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6019</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>22</u>		Quad <u>KTND6SEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>690</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WDC</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-23</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 22 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 16 acres 800-1200 ft. 6 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 2 acres High 18 acres Very High 0 acres
Cedar 0 Hemlock 21 Mixed 1 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 22 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 2 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

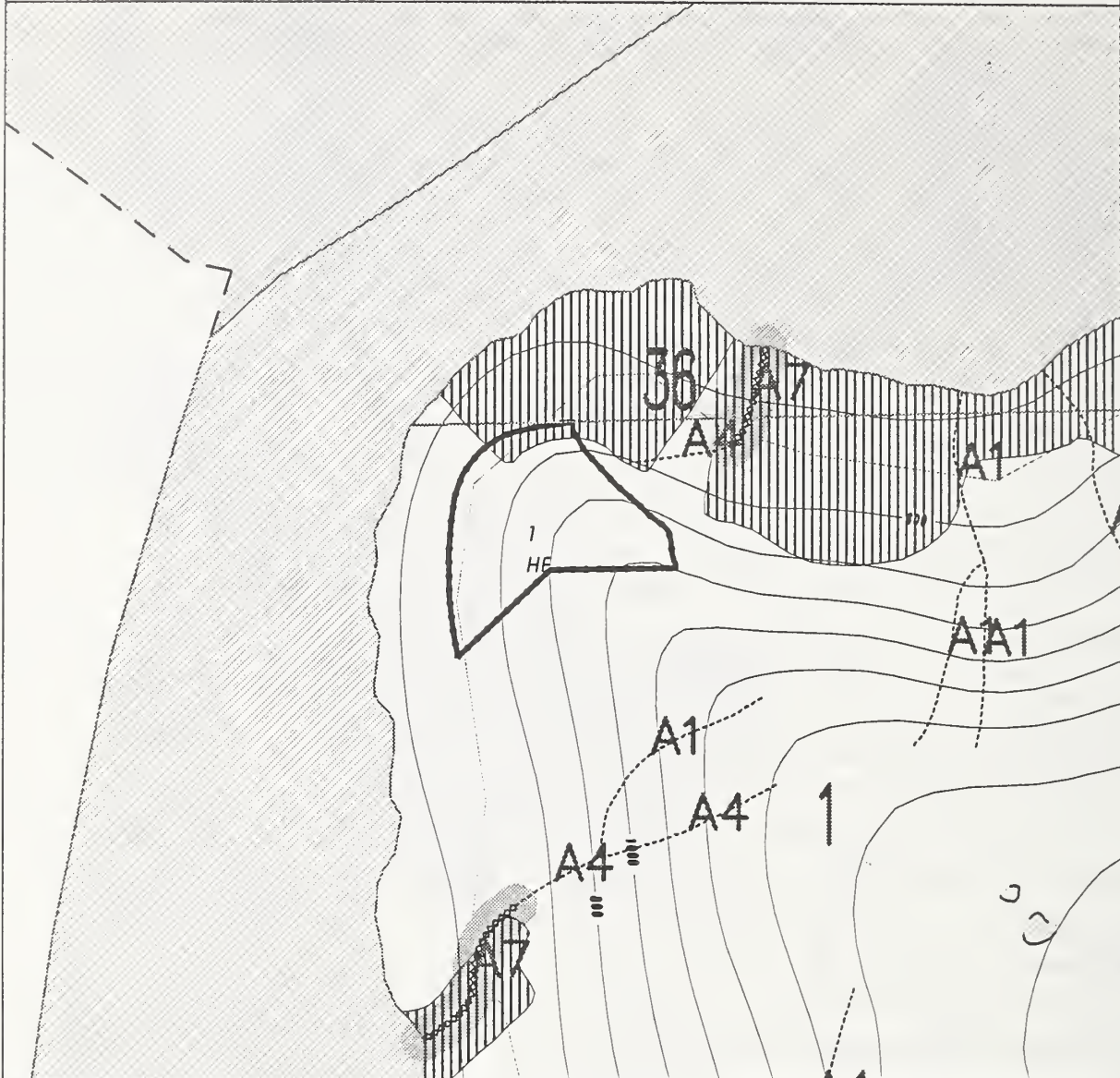
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6019

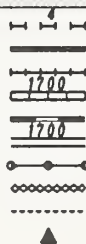
PLANNED HARVEST UNIT MAP

ACRES: 22 VOLUME: 690 MBP QUAD(s): KTND6 QUARTER QUAD(s): SEN
 PHOTO NUM.: 1178-23 LANDNET INFO TOWNSHIP R2S RANGE R2E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



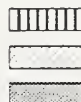
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6020</u>	No. Settings <u>2</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>MM</u>
Planned acres <u>28</u>		Quad <u>KTNC6NEN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>707</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-47</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 27 acres VC5 1 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 13 acres 800-1200 ft. 15 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 22 acres Medium 5 acres High 1 acres Very High 0 acres
Cedar 0 Hemlock 28 Mixed 0 Percent Seen 0.06 Percent Unseen 0.94 Aspect East

SOILS

This unit has 28 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 24 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

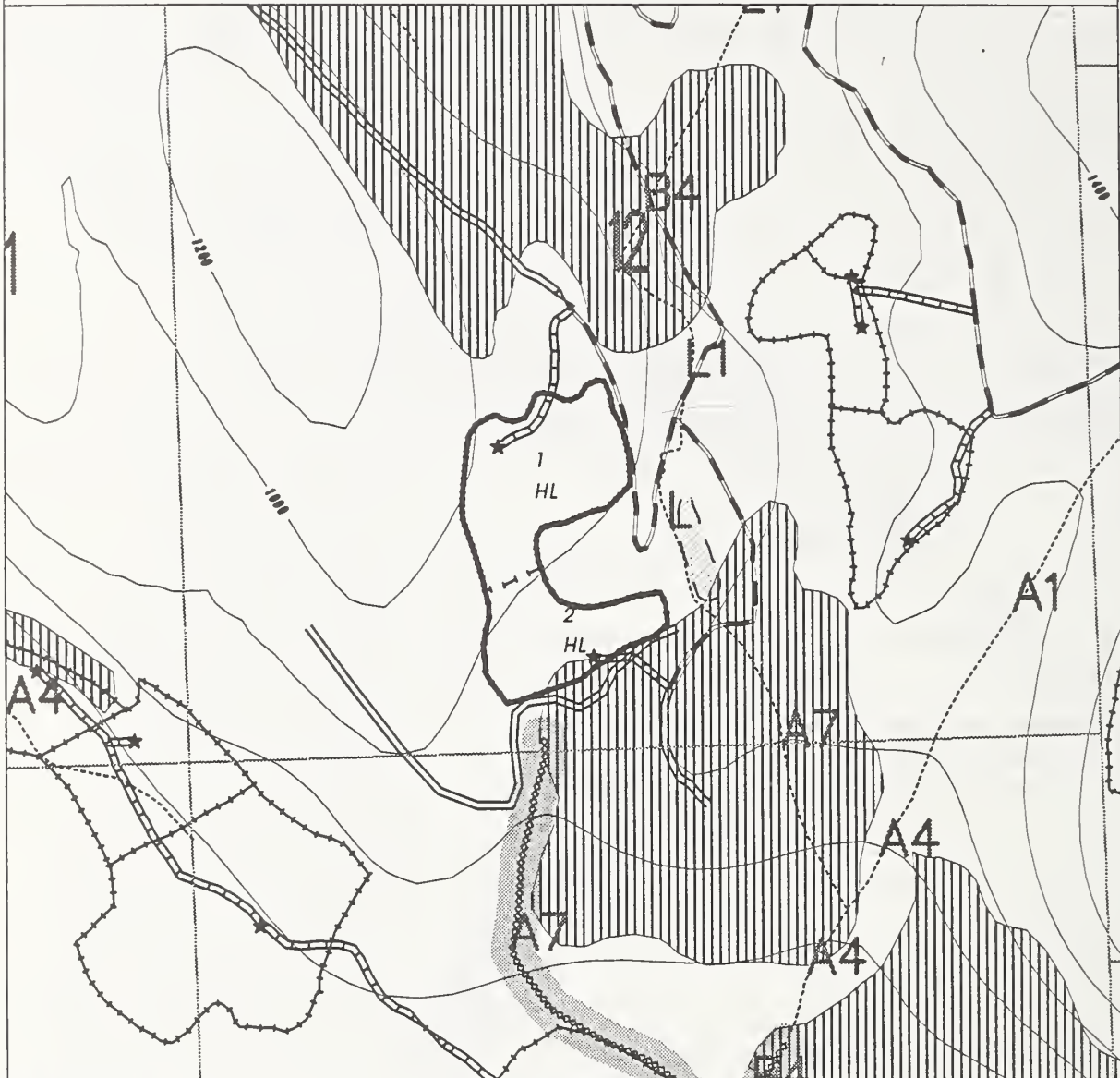
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6020

PLANNED HARVEST UNIT MAP

ACRES: 28 VOLUME: 707 MBP QUAD(s): KYNC6 QUARTER QUAD(s): NWN
 PHOTO NUM.: 1179-47 LANDNET INFO TOWNSHIP 71S RANGE 89R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow in circle)
 EXISTING CLEARCUT (horizontal lines)
 SALTWATER AND LAKES (wavy lines)
 CLASS I & II STREAM BUFFER (stippled area)

LOGGING SYSTEMS:

HL HIGHLEAD



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit 6021 No. Settings 1 Alternatives considered 3 6 VQO M
Planned acres 36 Quad KTNC6NEN Windthrow risk H
Estimated volume (mbf) 944 Mgmt Area K32 VCU 7360 Plant Series CMC
Logging methods SL WAA 510 Forest type Hemlock
Silvicultural system Clearcut 1979 Photo 1179-12

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 29 acres VC5 7 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 36 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 34 acres Medium 2 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 29 Mixed 7 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 36 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 34 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/SW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

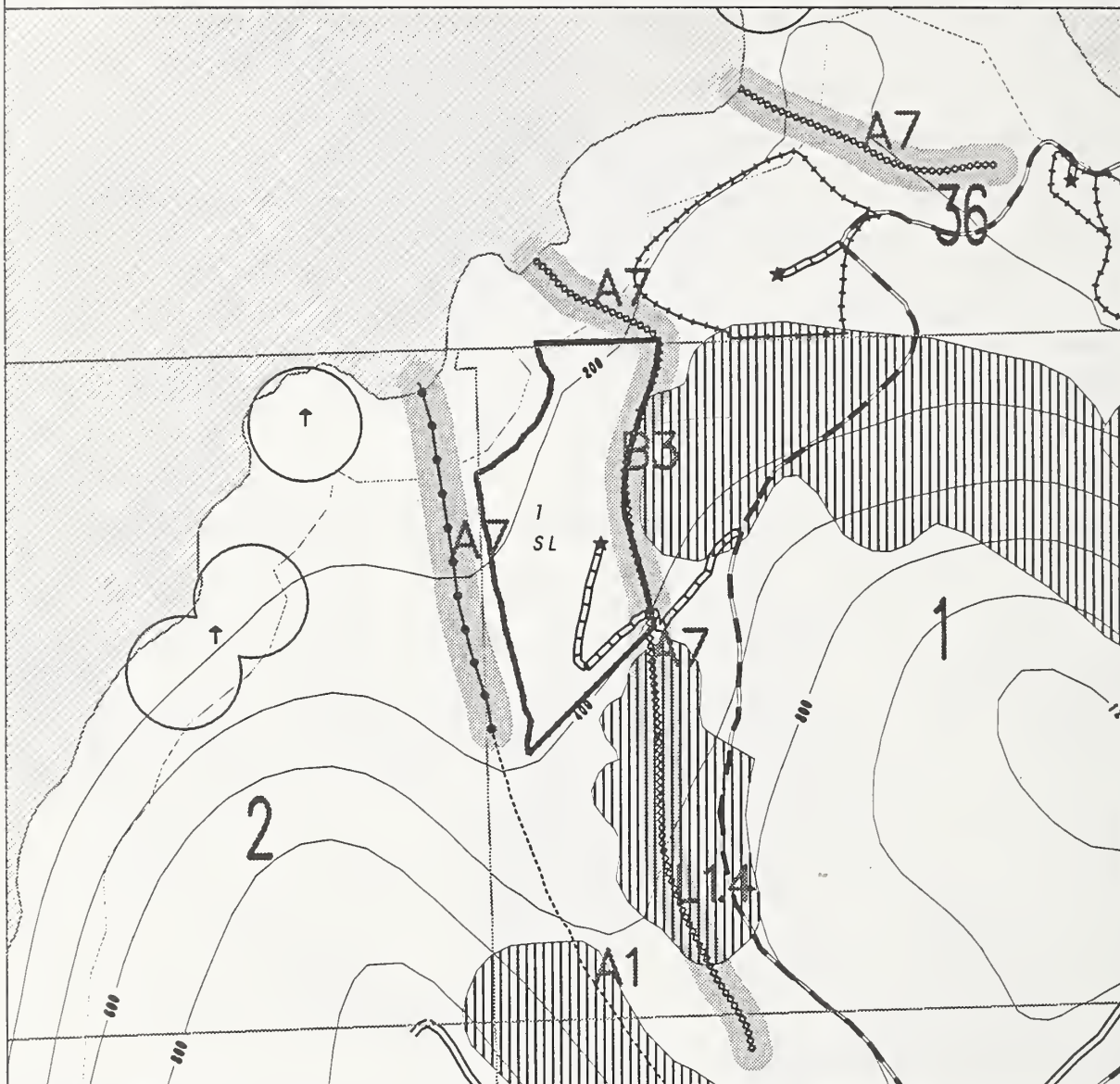
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6021

PLANNED HARVEST UNIT MAP

ACRES: 36 VOLUME: 944 MBP QUAD(s): KTND6/KTNC6 QUARTER QUAD(s): /NW1
 PHOTO NUM.: 1179-12 LANDNET INFO TOWNSHIP 70S RANGE R9R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



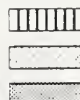
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6022</u>	No. Settings <u>1</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>M</u>
Planned acres <u>22</u>		Quad <u>KTND6SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>511</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 20 acres VC5 2 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 22 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 21 acres Medium 1 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 21 Mixed 1 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 22 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 21 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/SW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

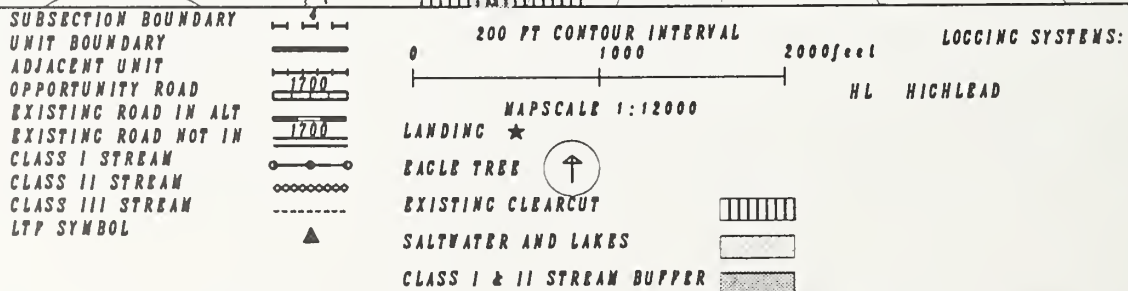
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6022

PLANNED HARVEST UNIT MAP

ACRES: 22 VOLUME: 511 MBP QUAD(s) KTMDE/KTMC6 QUARTER QUAD(s): /NWN
 PHOTO NUM.: 1179-13 LANDNET INFO TOWNSHIP 70S RANGE 29E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6023</u>	No. Settings <u>2</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>PR</u>
Planned acres <u>10</u>		Quad <u>KTND6SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>227</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-45</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 10 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 10 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 7 acres Medium 3 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 10 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has 10 acres that may require partial or full suspension (BMP 13.9)
This unit contains 6 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/SW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

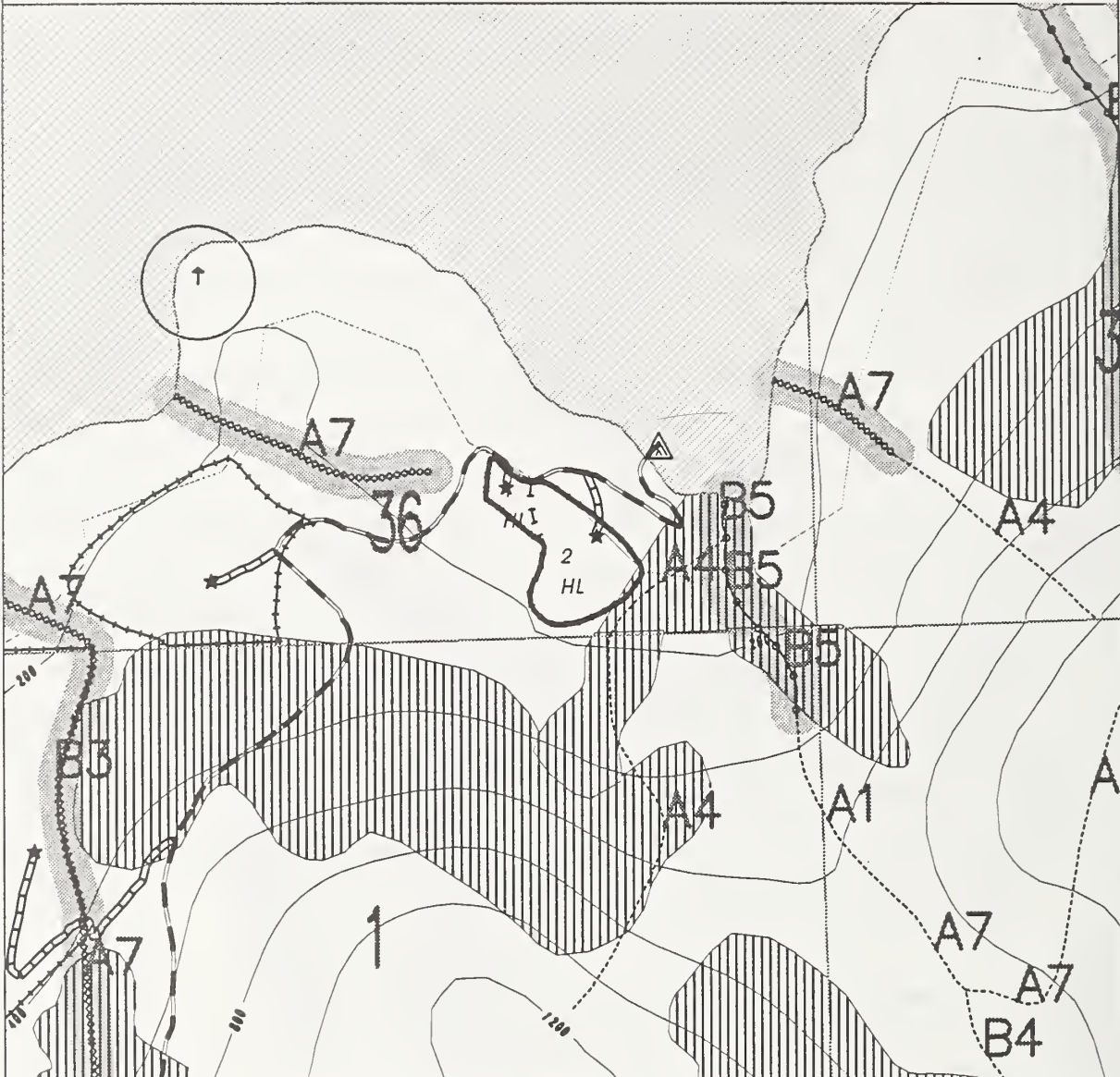
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6023

PLANNED HARVEST UNIT MAP

ACRES: 10 VOLUME: 227 MBF QUAD(s): KTND6 QUARTER QUAD(s):
 PHOTO NUM.: 1179-45 LANDNET INFO TOWNSHIP 70S RANGE R9E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL

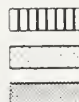


200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BATTLE TREE (↑)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit 6024 No. Settings 6 Alternatives considered 3 4 6 VQO M
Planned acres 71 Quad KTND5SWS Windthrow risk H
Estimated volume (mbf) 1954 Mgmt Area K32 VCU 7360 Plant Series CCD
Logging methods HL RS WAA 510 Forest type Hemlock
Silvicultural system Clearcut 1979 Photo 1179-10

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 43 acres VC5 28 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 68 acres 800-1200 ft. 3 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 29 acres Medium 0 acres High 42 acres Very High 0 acres
Cedar 0 Hemlock 71 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 48 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 48 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 2 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a B2 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across. Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Maintain adequate distribution of snags by leaving 0.1 acre-sized patches of green trees within the unit for every 10 acres harvested. Snag patches must be compatible with logging system and safe working conditions.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6024

PLANNED HARVEST UNIT MAP

ACRES: 71 VOLUME: 1954 MBF QUAD(s): KTND5 QUARTER QUAD(s): SYS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (symbol)

EXISTING CLEARCUT (symbol)

SALTWATER AND LAKES (symbol)

CLASS I & II STREAM BUFFER (symbol)

LOGGING SYSTEMS:

HL HIGHLEAD

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6025</u>	No. Settings <u>6</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>PR</u>
Planned acres <u>52</u>		Quad <u>KTND6SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1338</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCD</u>
Logging methods <u>HL SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-20</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 46 acres VC5 6 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 52 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 30 acres High 21 acres Very High 0 acres
Cedar 0 Hemlock 50 Mixed 2 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 28 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 2 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A7 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A6 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nest site is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/NW NEETS BAY viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

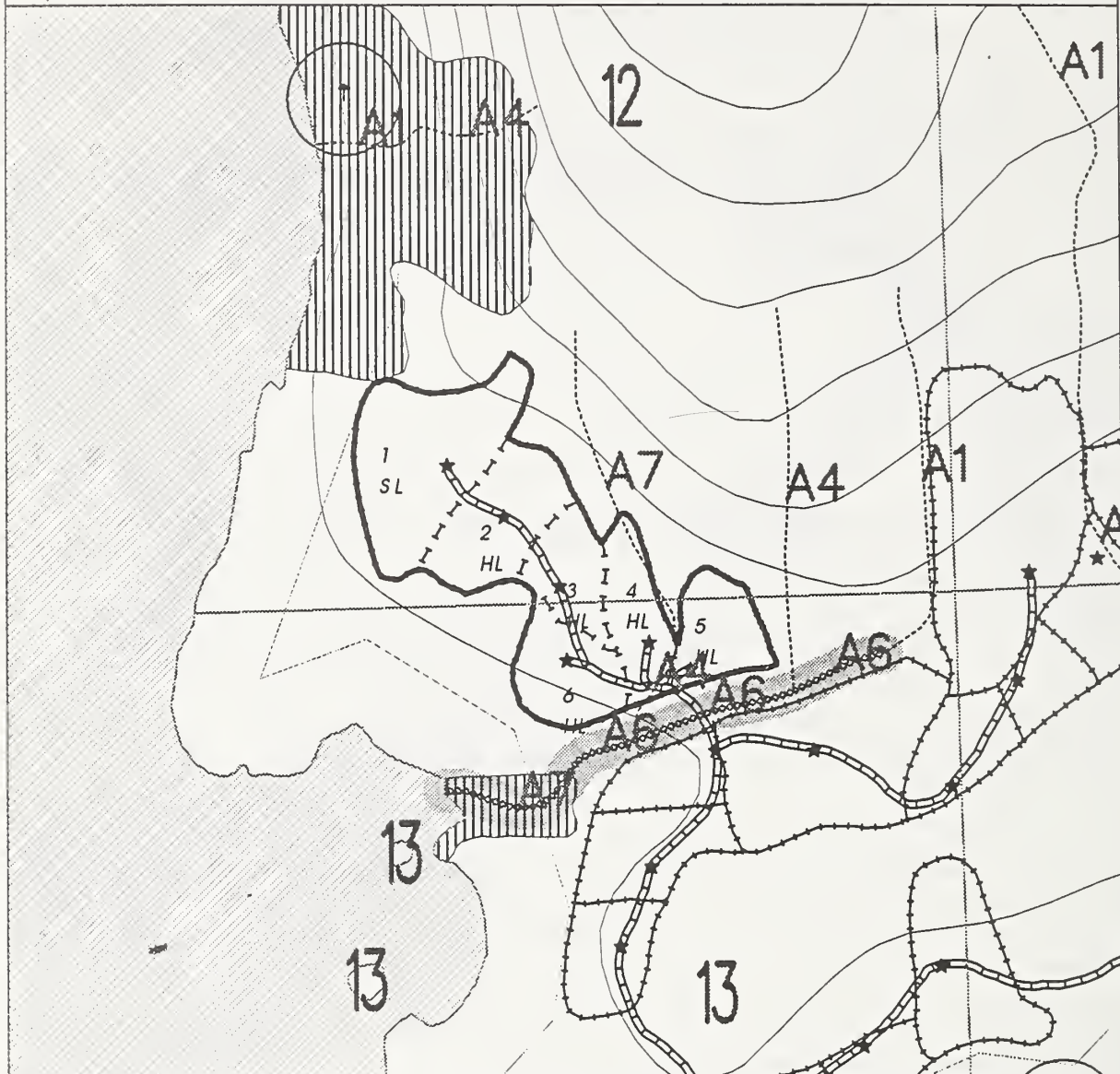
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6025

PLANNED HARVEST UNIT MAP

ACRES: 52 VOLUME: 1338 MBF QUAD(s): KTND6 QUARTER QUAD(s): _____
 PHOTO NUM.: 1179-20 LANDNET INFO TOWNSHIP 70S RANGE 89E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



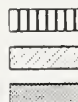
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (symbol)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE
 HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6026</u>	No. Settings <u>9</u>	Alternatives considered <u>3</u>	VQO <u>M</u>
Planned acres <u>103</u>		Quad <u>KTND6SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>3049</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WDC</u>
Logging methods <u>HL SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-39</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 15 acres VC5 88 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 103 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 7 acres Medium 72 acres High 24 acres Very High 0 acres
Cedar 0 Hemlock 88 Mixed 15 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 58 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 9 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A6 class 2 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Maintain diversity within unit by leaving 1-5 acre-sized islands of green trees at a rate of 1 acre of island for every 20 acre harvested. Leave islands must be compatible with logging system and safe working conditions.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

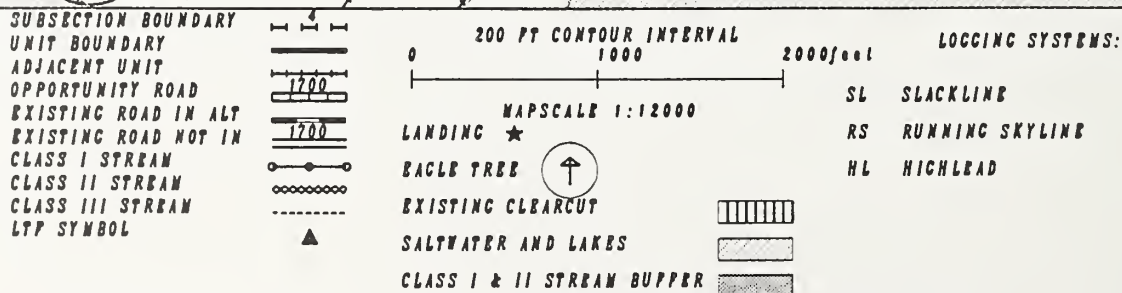
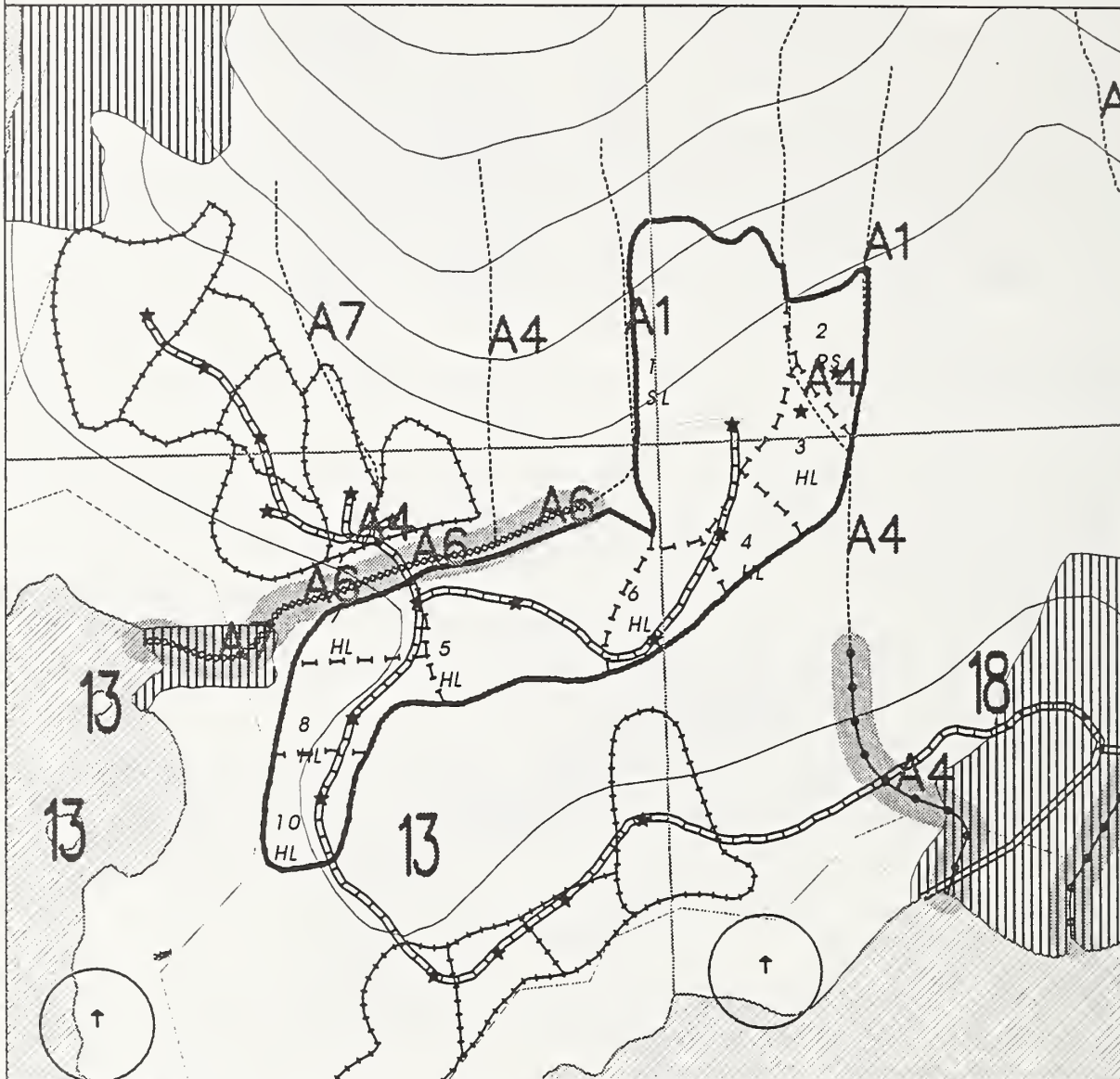
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6026

PLANNED HARVEST UNIT MAP

ACRES: 103 VOLUME: 3049 MBF QUAD(s): KTND6 QUARTER QUAD(s):
 PHOTO NUM.: 1179-39 LANDNET INFO TOWNSHIP 70S RANGE R9E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 13, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6027</u>	No. Settings <u>4</u>	Alternatives considered <u>3 5 6</u>	VQO <u>PR</u>
Planned acres <u>37</u>		Quad <u>KTND6SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1160</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-39</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 37 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 37 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 8 acres Medium 29 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 37 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 37 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 8 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

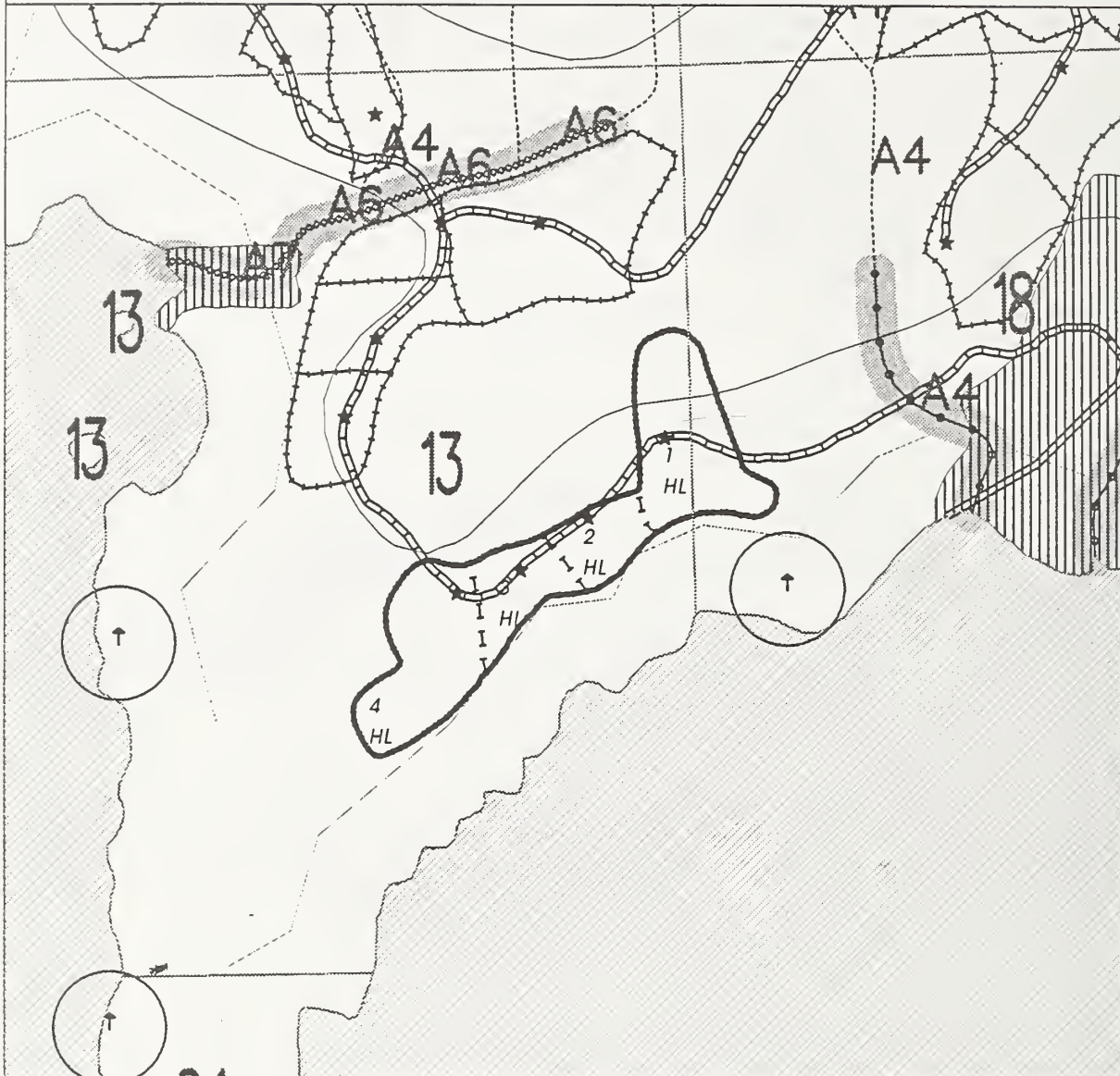
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6027

PLANNED HARVEST UNIT MAP

ACRES: 37 VOLUME: 1160 MBF QUAD(s): KTND6 QUARTER QUAD(s):
 PHOTO NUM.: 1179-39 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow in circle)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



October 13, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit 6028 No. Settings 2 Alternatives considered 3 4 6 VQO PR
Planned acres 48 Quad KTND5SWS Windthrow risk H
Estimated volume (mbf) 1313 Mgmt Area K32 VCU 7360 Plant Series CCS
Logging methods HL WAA 510 Forest type Hemlock
Silvicultural system Clearcut 1979 Photo 1179-75

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 30 acres VC5 18 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 48 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 48 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 48 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 46 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 7 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

VCU: 7360 UNIT NUMBER: 6028

ACRES: 48 VOLUME: 1313 MBP QUAD(2): KTND5/KTND6 QUARTER QUAD(2): SWS/
 PHOTO NUM.: 1179-75 LANDNET INFO TOWNSHIP 70S RANCR 80R

MAPSCALE 1:12000



HL HICHLRAD

October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit 6029 No. Settings 2 Alternatives considered 3 4 6 VQO M
Planned acres 51 Quad KTND5SWS Windthrow risk H
Estimated volume (mbf) 1319 Mgmt Area K32 VCU 7360 Plant Series WHS
Logging methods RS WAA 510 Forest type Hemlock
Silvicultural system Clearcut 1979 Photo 1179-75

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 44 acres VC5 7 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 43 acres 800-1200 ft. 8 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 43 acres High 8 acres Very High 0 acres
Cedar 0 Hemlock 44 Mixed 7 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 43 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9)
to aid reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit
in accordance with AHMU Handbook.

This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A2 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nestsite is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/NW NEETS BAY viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

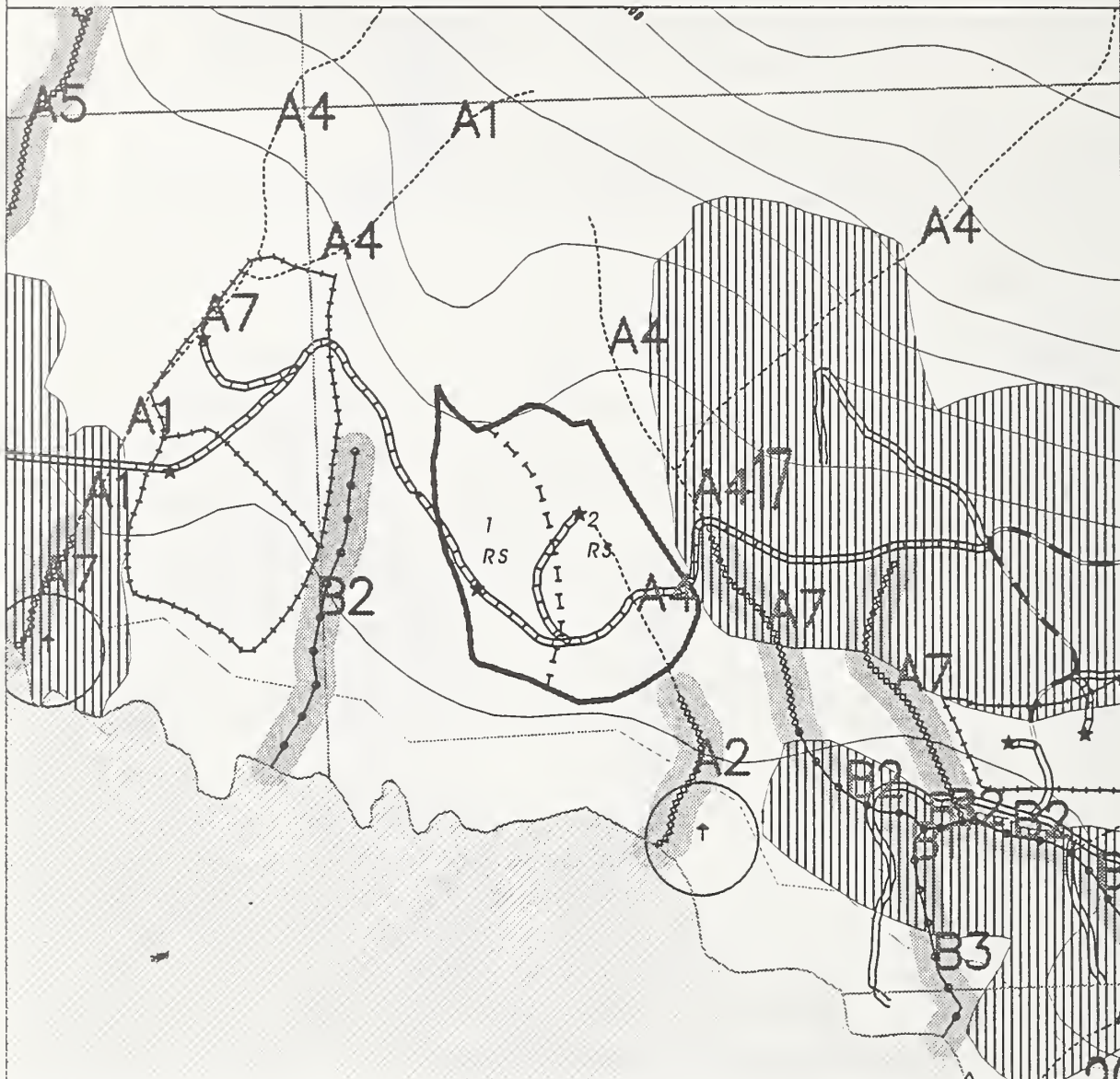
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7380 UNIT NUMBER: 8029

PLANNED HARVEST UNIT MAP

ACRES: 51 VOLUME: 1319 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-75 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following
 Intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL

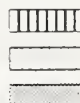


200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6030</u>	No. Settings <u>2</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>MM</u>
Planned acres <u>56</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1398</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCS</u>
Logging methods <u>SL RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 56 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 8 acres 800-1200 ft. 35 acres 1200-1500 ft. 13 acres over 1500 ft. 0 acres
Mass movement index: Low 50 acres Medium 3 acres High 3 acres Very High 0 acres
Cedar 0 Hemlock 5 Mixed 51 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 56 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

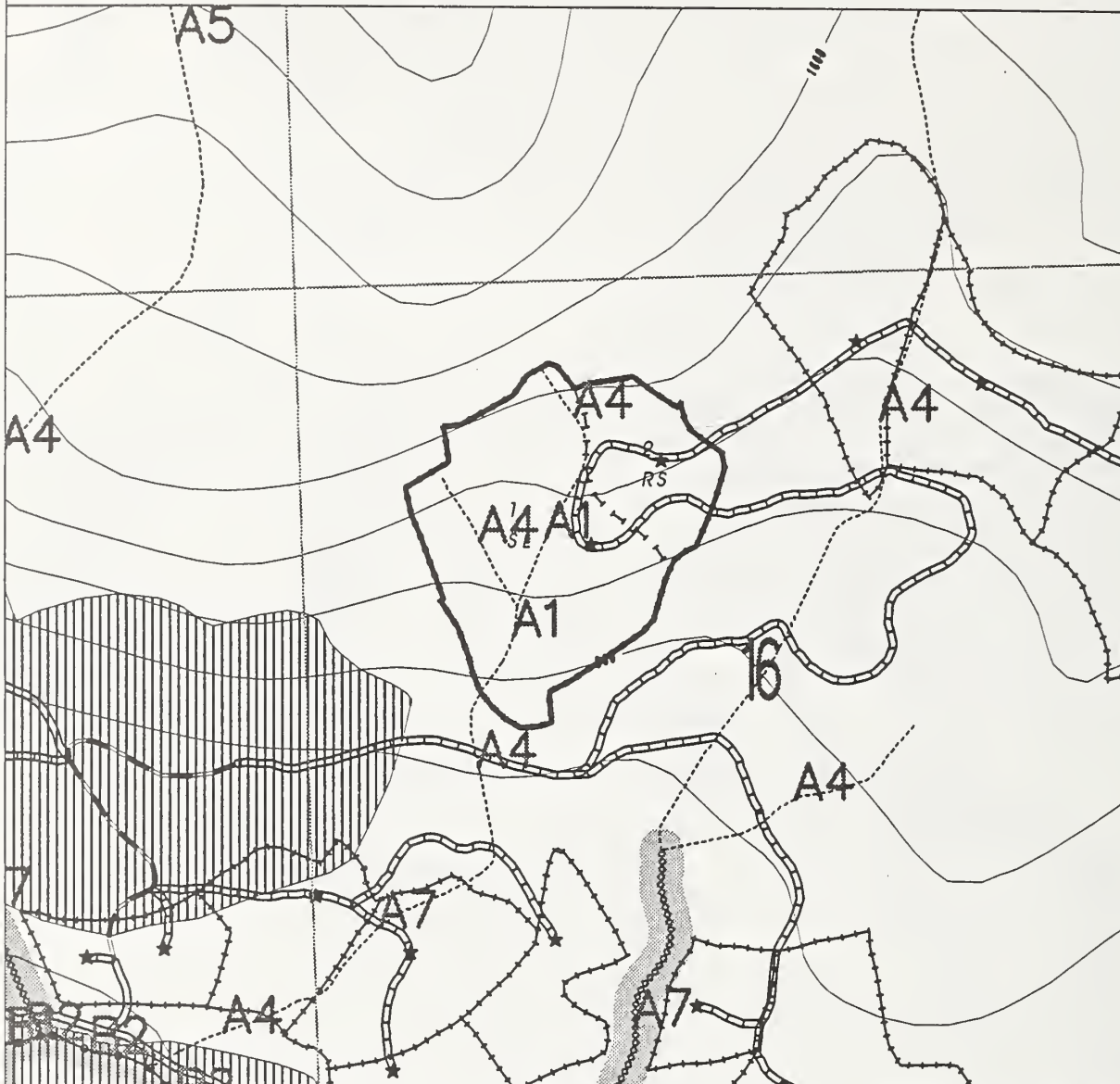
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7380 UNIT NUMBER: 6030

PLANNED HARVEST UNIT MAP

ACRES: 56 VOLUME: 1398 MBF QUAD(s): KTHDS QUARTER QUAD(s): SVS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 20S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following
 Intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL

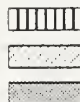


200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow in circle)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE
 RS RUNNING SKYLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6031</u>	No. Settings <u>4</u>	Alternatives considered <u>3 4 6</u>	VQO <u>MM</u>
Planned acres <u>127</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>3529</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCD</u>
Logging methods <u>SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 71 acres VC5 56 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 5 acres 800-1200 ft. 77 acres 1200-1500 ft. 45 acres over 1500 ft. 0 acres
Mass movement index: Low 97 acres Medium 10 acres High 20 acres Very High 0 acres
Cedar 0 Hemlock 127 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has 127 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 29 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Maintain diversity within unit by leaving 1-5 acre-sized islands of green trees at a rate of 1 acre of island for every 20 acre harvested. Leave islands must be compatible with logging system and safe working conditions.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 8031

PLANNED HARVEST UNIT MAP

ACRES: 127 VOLUME: 3529 MBP QUAD(s): KTHDS QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE
 RS RUNNING SKYLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6032</u>	No. Settings <u>3</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>MM</u>
Planned acres <u>65</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1956</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 13 acres VC5 52 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 65 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 27 acres Medium 36 acres High 2 acres Very High 0 acres
Cedar 0 Hemlock 65 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 43 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 18 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B6 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

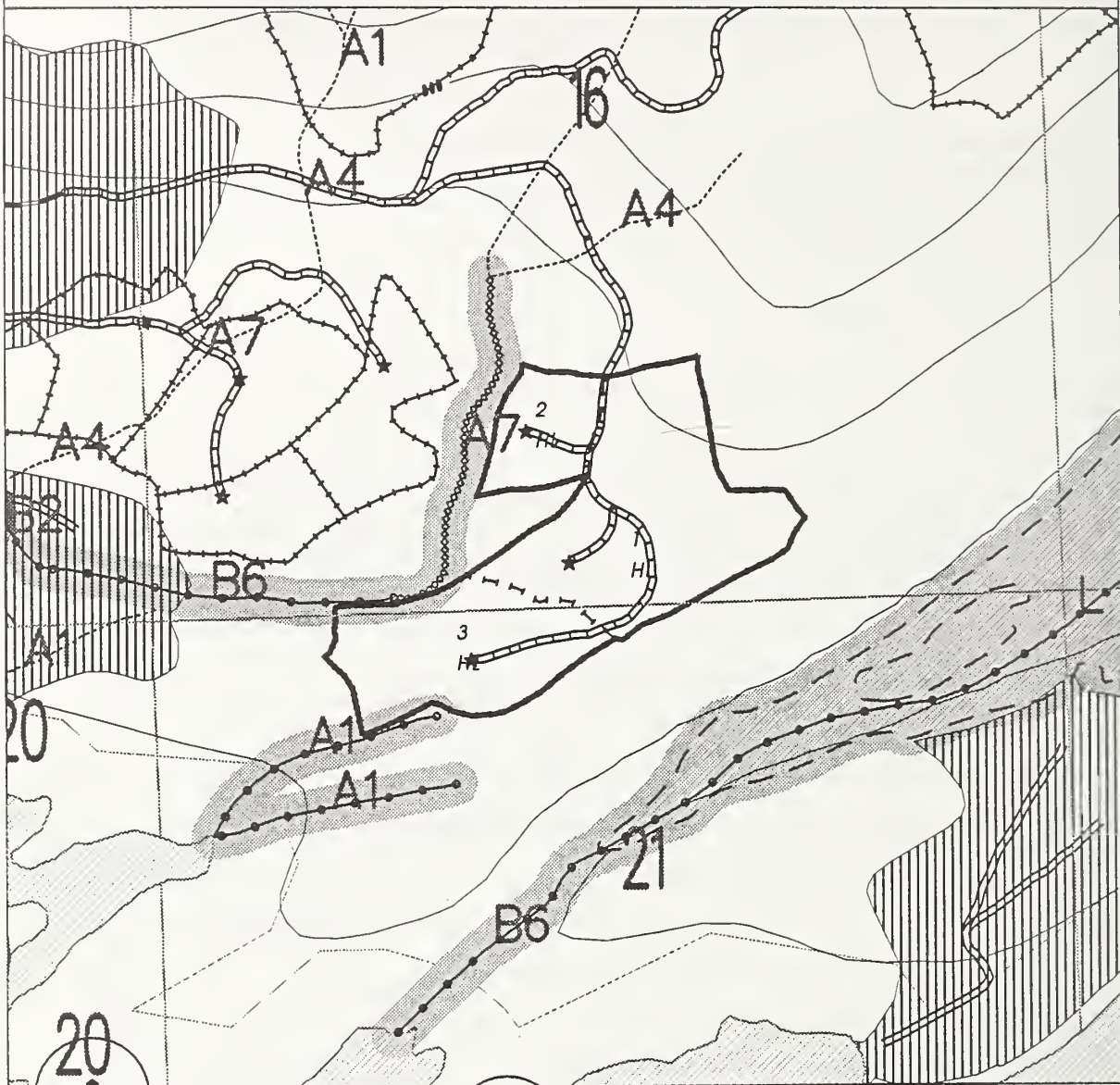
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6032

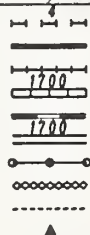
PLANNED HARVEST UNIT MAP

ACRES: 65 VOLUME: 1956 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 20S RANGE 20R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

HL HIGHLEAD



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit 6033 No. Settings 1 Alternatives considered 5 VQO PR
Planned acres 14 Quad KTND6SES Windthrow risk H
Estimated volume (mbf) 350 Mgmt Area K32 VCU 7360 Plant Series WDC
Logging methods SL WAA 510 Forest type Hemlock
Silvicultural system Clearcut 1979 Photo 1179-20

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 14 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 14 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 7 acres High 7 acres Very High 0 acres
Cedar 0 Hemlock 14 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 7 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

Immediately adjacent to a A5 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.

There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

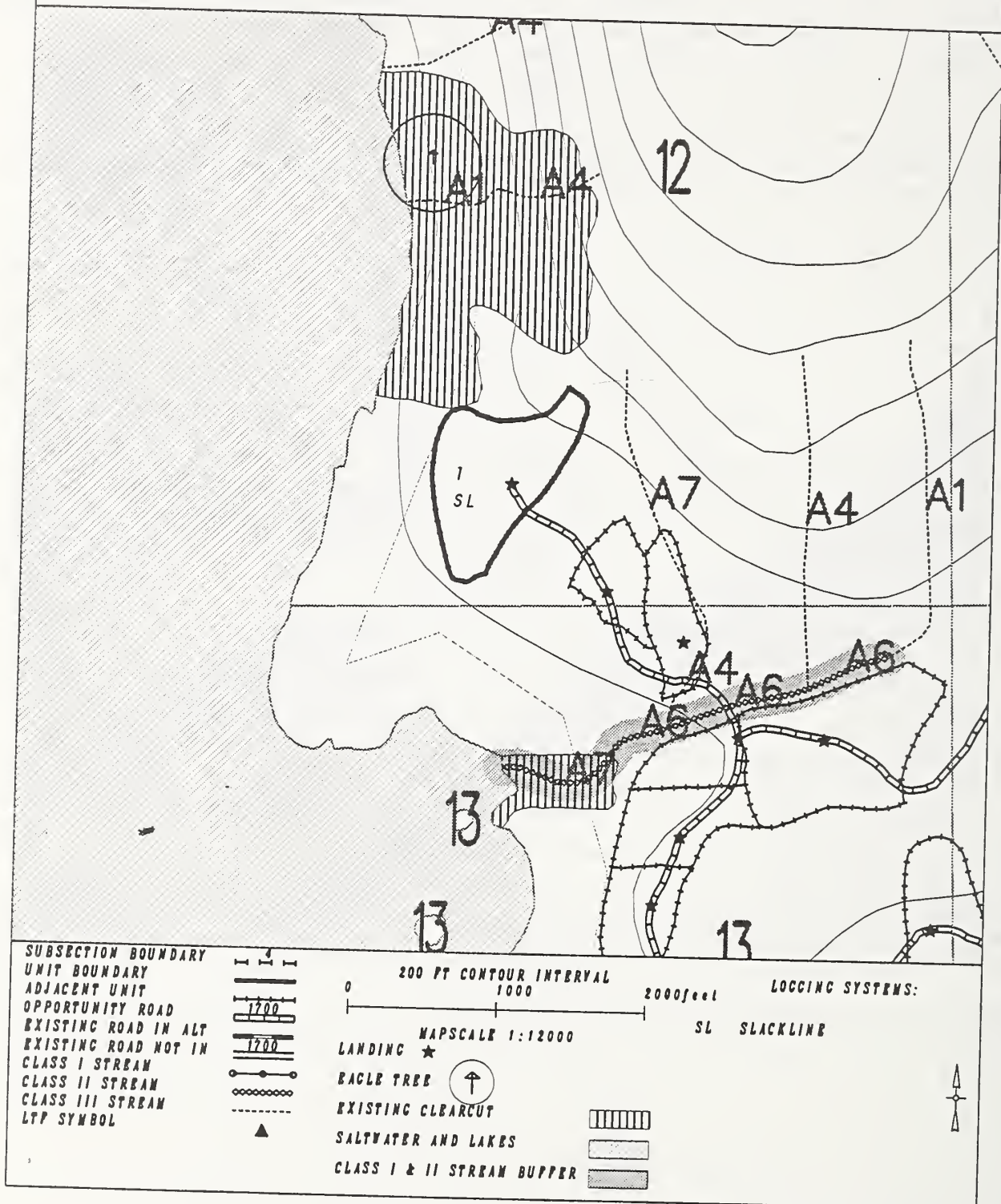
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6033

PLANNED HARVEST UNIT MAP

ACRES: 14 VOLUME: 350 MBP QUAD(s): KTND6 QUARTER QUAD(s):
 PHOTO NUM.: 1179-20 LANDNET INFO TOWNSHIP 70S RANGE 82R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6034</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>13</u>		Quad <u>KTND6SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>325</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WDC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-20</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 13 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 13 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 9 acres High 3 acres Very High 0 acres
Cedar 0 Hemlock 13 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 4 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

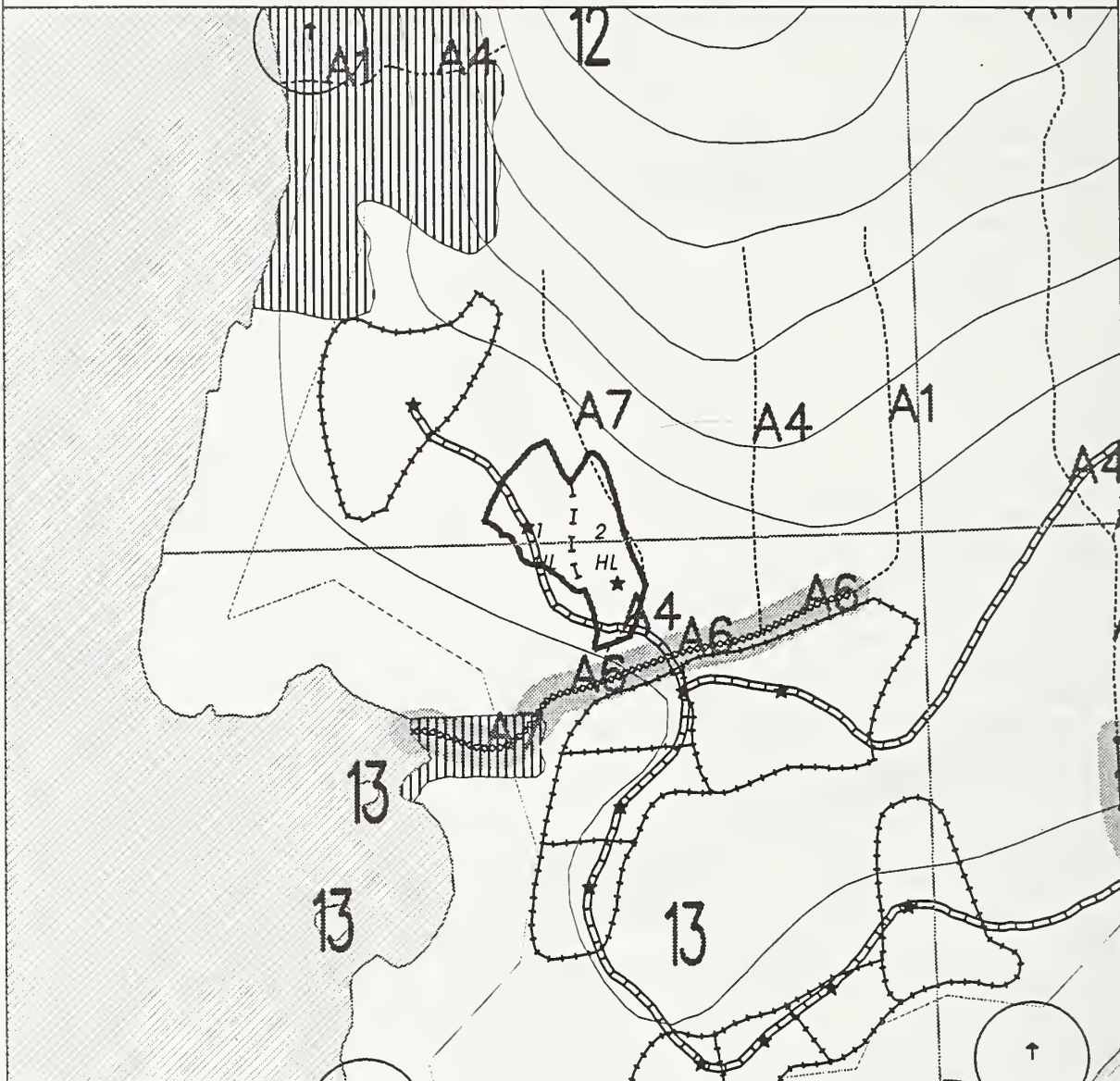
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 8034

PLANNED HARVEST UNIT MAP

ACRES: 13 VOLUME: 325 MBF QUAD(s): KTND8 QUARTER QUAD(s): _____
 PHOTO NUM.: 1179-20 LANDNET INFO TOWNSHIP 70S RANGE 29E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.

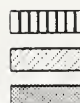


SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (up arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:
 HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6035</u>	No. Settings <u>4</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>44</u>		Quad <u>KTND6SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1309</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-39</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 11 acres VC5 33 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 44 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 16 acres Medium 7 acres High 21 acres Very High 0 acres
Cedar 0 Hemlock 44 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 36 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 16 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

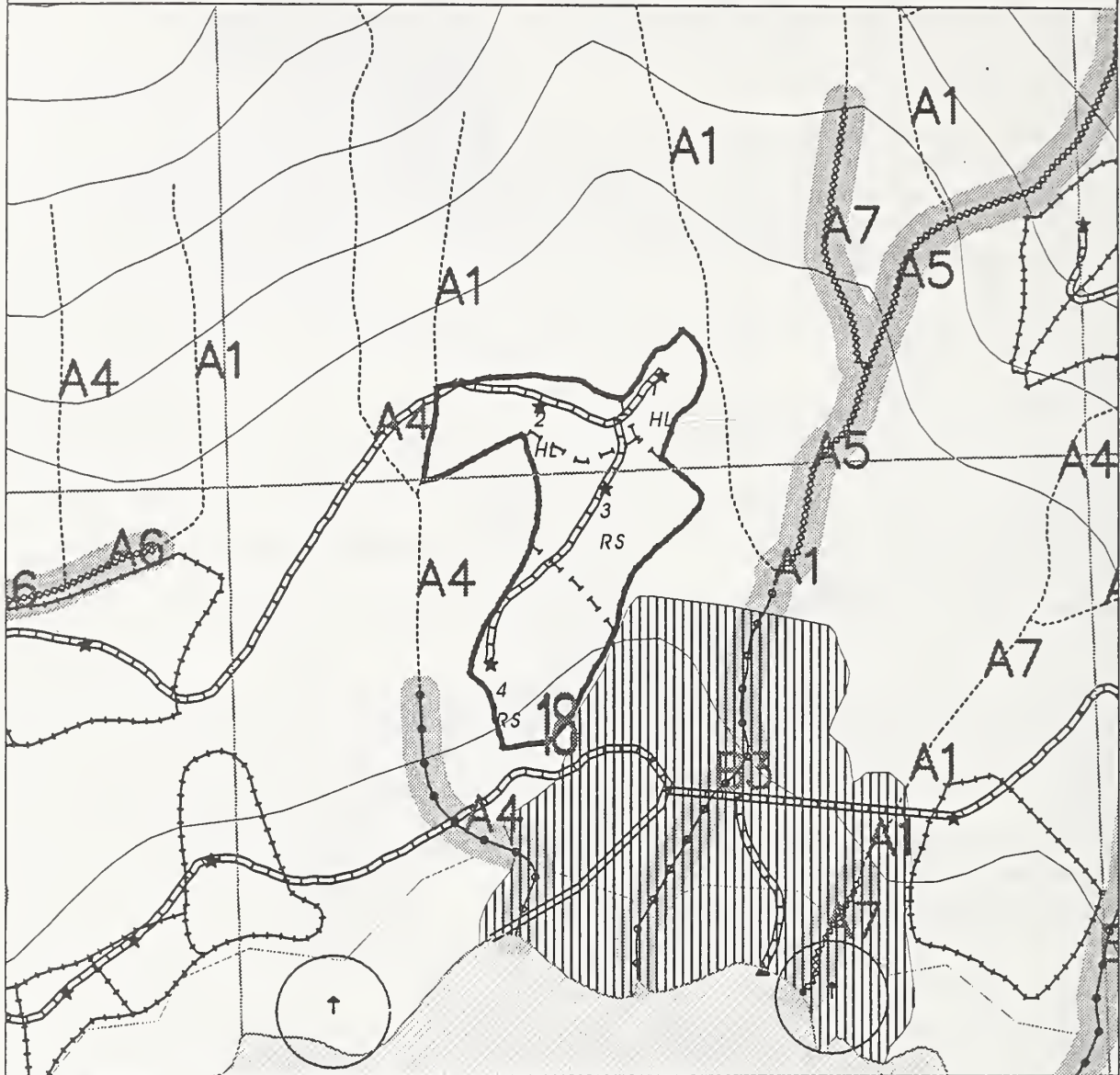
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

YCU: 7380 UNIT NUMBER: 8035

PLANNED HARVEST UNIT MAP

ACRES: 44 VOLUME: 1309 MBP QUAD(s): KTND6 QUARTER QUAD(s):
 PHOTO NUM.: 1179-39 LANDNET INFO TOWNSHIP 70S RANGE 20R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

HL HIGHLEAD

RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6036</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>22</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>587</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WDC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-75</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 16 acres VC5 6 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 22 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 22 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 22 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6036

PLANNED HARVEST UNIT MAP

ACRES: 22 VOLUME: 587 MBF QUAD(s): KTND5 QUARTER QUAD(s): SYS
 PHOTO NUM.: 1179-75 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LOGGING SYSTEMS:

HL HIGH LEAD

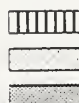
LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6037</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>23</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>574</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-75</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 23 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 23 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 23 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 22 Mixed 1 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 23 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

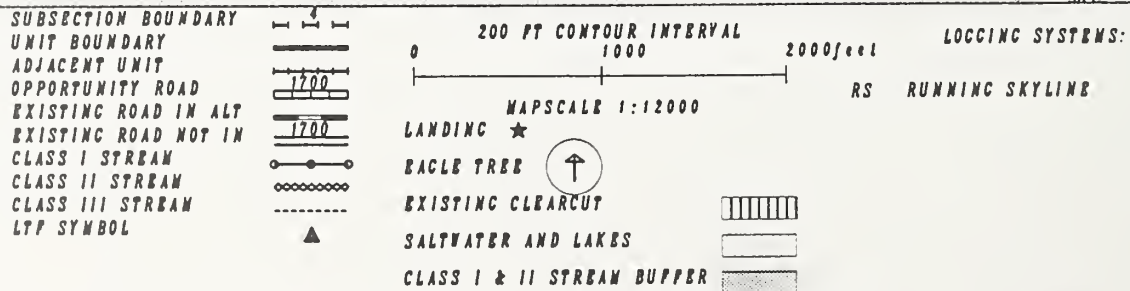
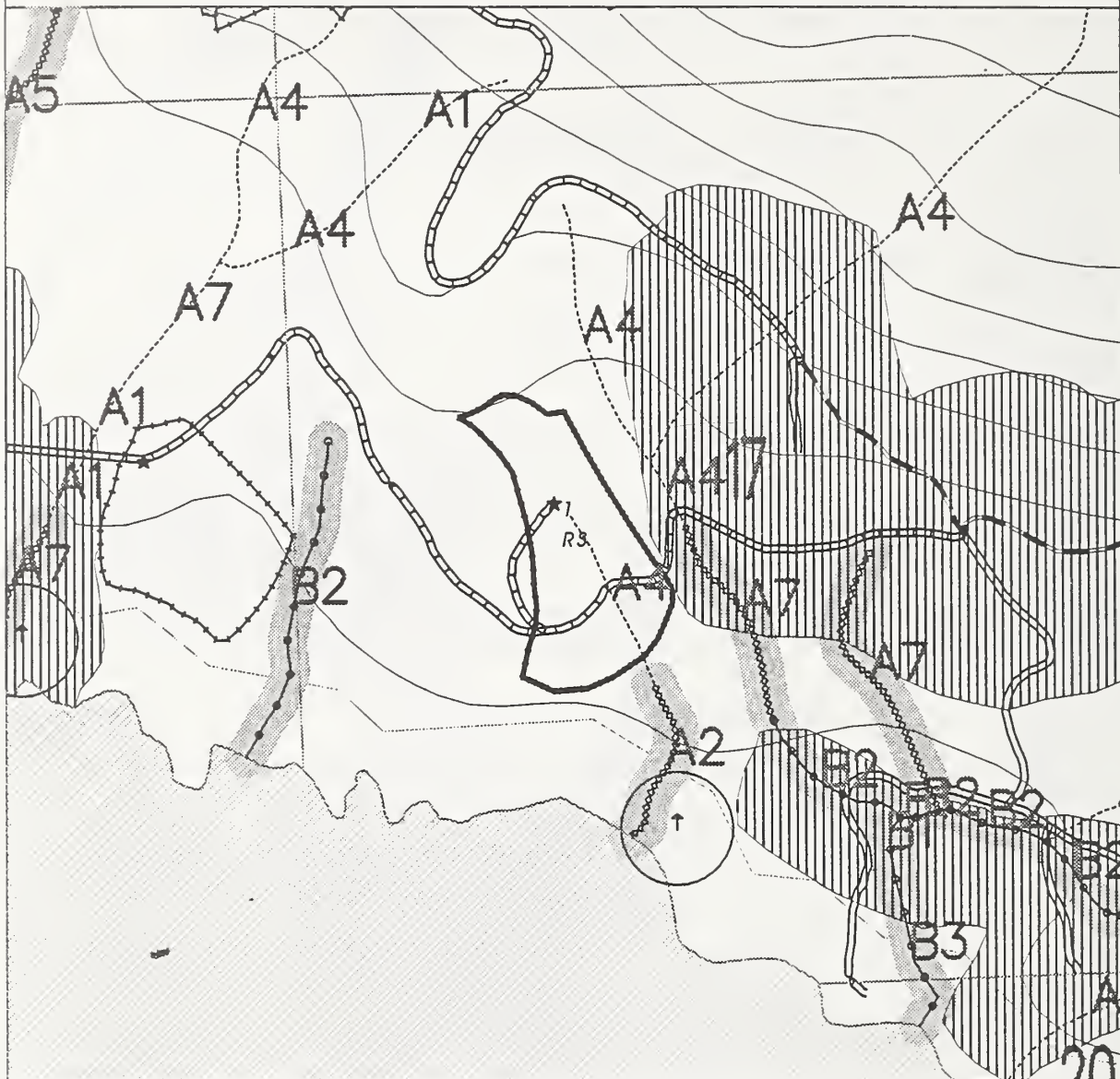
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6037

PLANNED HARVEST UNIT MAP

ACRES: 23 VOLUME: 574 MBP QUAD(s): KYND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-75 LANDNET INFO TOWNSHIP 70S RANGE 20R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6038</u>	No. Settings <u>2</u>	Alternatives considered <u>4 5</u>	VQO <u>M</u>
Planned acres <u>22</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>690</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>NME</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-75</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 22 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 2 acres 800-1200 ft. 20 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 3 acres Medium 0 acres High 19 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 22 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 22 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A5 class 2 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nestsite is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

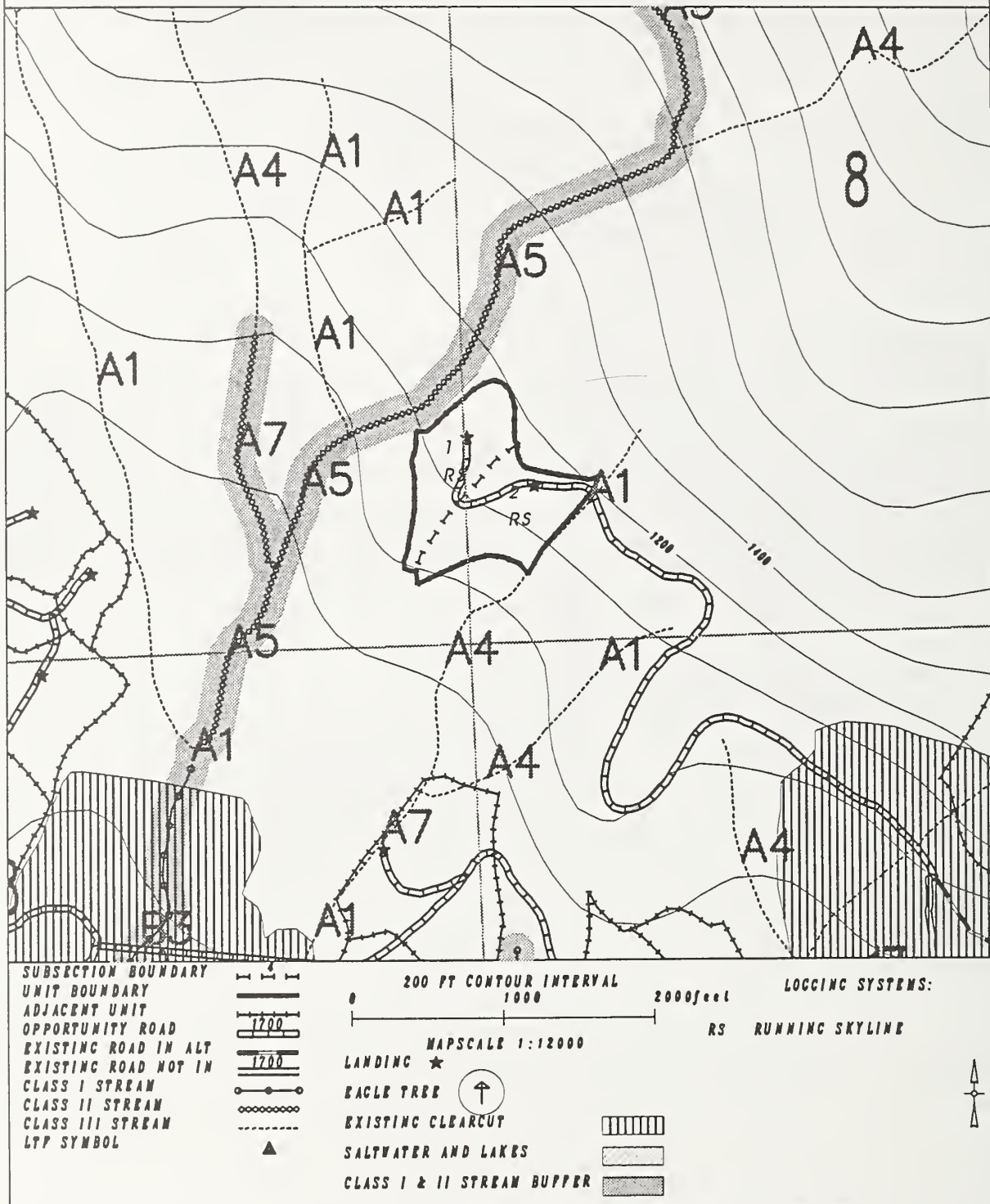
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6038

PLANNED HARVEST UNIT MAP

ACRES: 22 VOLUME: 690 MBF QUAD(s): KYND5 QUARTER QUAD(s): SWH/SWS
 PHOTO NUM.: 1179-75 LANDNET INFO TOWNSHIP 78S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6039</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>30</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>902</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 6 acres VC5 24 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 29 acres 800-1200 ft. 1 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 14 acres Medium 16 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 26 Mixed 4 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 30 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 18 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

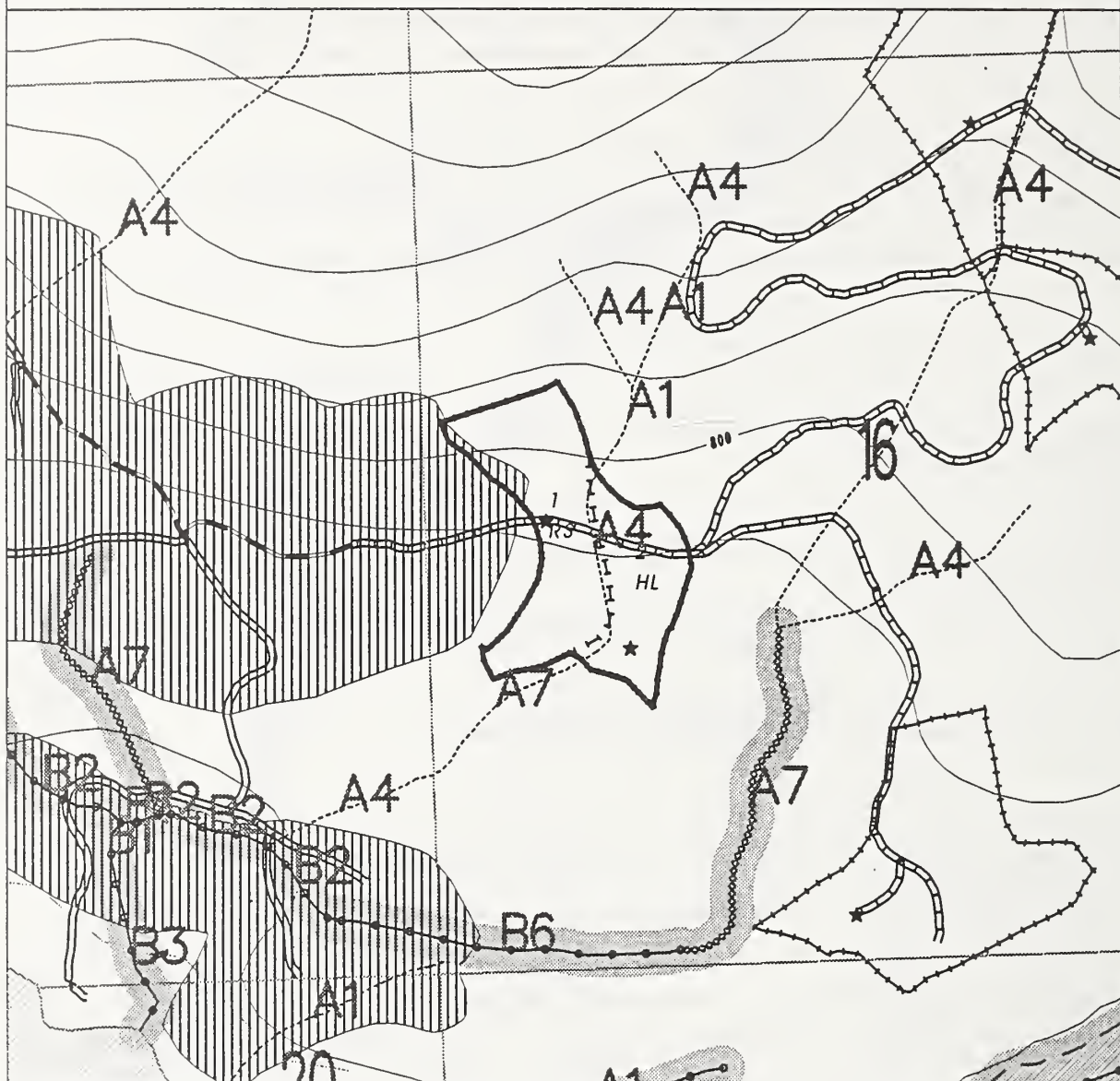
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6039

PLANNED HARVEST UNIT MAP

ACRES: 30 VOLUME: 902 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 20S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 PT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (↑)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6040</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>34</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1066</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 34 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 34 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 5 acres Medium 28 acres High 1 acres Very High 0 acres
Cedar 0 Hemlock 34 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 34 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6040

PLANNED HARVEST UNIT MAP

ACRES: 34 VOLUME: 1066 MBF QUAD(s): KTN05 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.

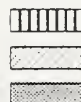


SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (symbol)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:
 HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6041</u>	No. Settings <u>3</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>89</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2415</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCD</u>
Logging methods <u>SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 59 acres VC5 30 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 59 acres 1200-1500 ft. 30 acres over 1500 ft. 0 acres
Mass movement index: Low 51 acres Medium 20 acres High 18 acres Very High 0 acres
Cedar 0 Hemlock 89 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has 89 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 38 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6041

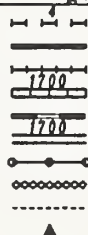
PLANNED HARVEST UNIT MAP

ACRES: 89 VOLUME: 2415 MBP QUAD(s): KTN05 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 00R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following
 Intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT.
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

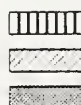
LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE
 RS RUNNING SKYLINE



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6042</u> No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>11</u>	Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>345</u>	Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WDC</u>
Logging methods <u>HL</u>	WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1179-22</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 11 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 11 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acre:
Mass movement index: Low 1 acres Medium 0 acres High 10 acres Very High 0 acres
Cedar 0 Hemlock 11 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 11 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nestsite is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the INNER NEETS BAY viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7380 UNIT NUMBER: 6042

PLANNED HARVEST UNIT MAP

ACRES: 11 VOLUME: 345 MBF QUAD(s): KTNDS QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-22 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6043</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>11</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>275</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 11 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 11 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 6 acres Medium 0 acres High 5 acres Very High 0 acres
Cedar 0 Hemlock 11 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 11 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 10 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
The road into this unit crosses a B2 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6043

PLANNED HARVEST UNIT MAP

ACRES: 11 VOLUME: 275 MBF QUAD(s): KYND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

LANDING ★

EAGLE TREE

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

HL HIGHLEAD



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6044</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>17</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>432</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 16 acres VC5 1 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 17 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 16 acres Medium 0 acres High 1 acres Very High 0 acres
Cedar 0 Hemlock 17 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 17 acres that may require partial or full suspension (BMP 13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 17 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

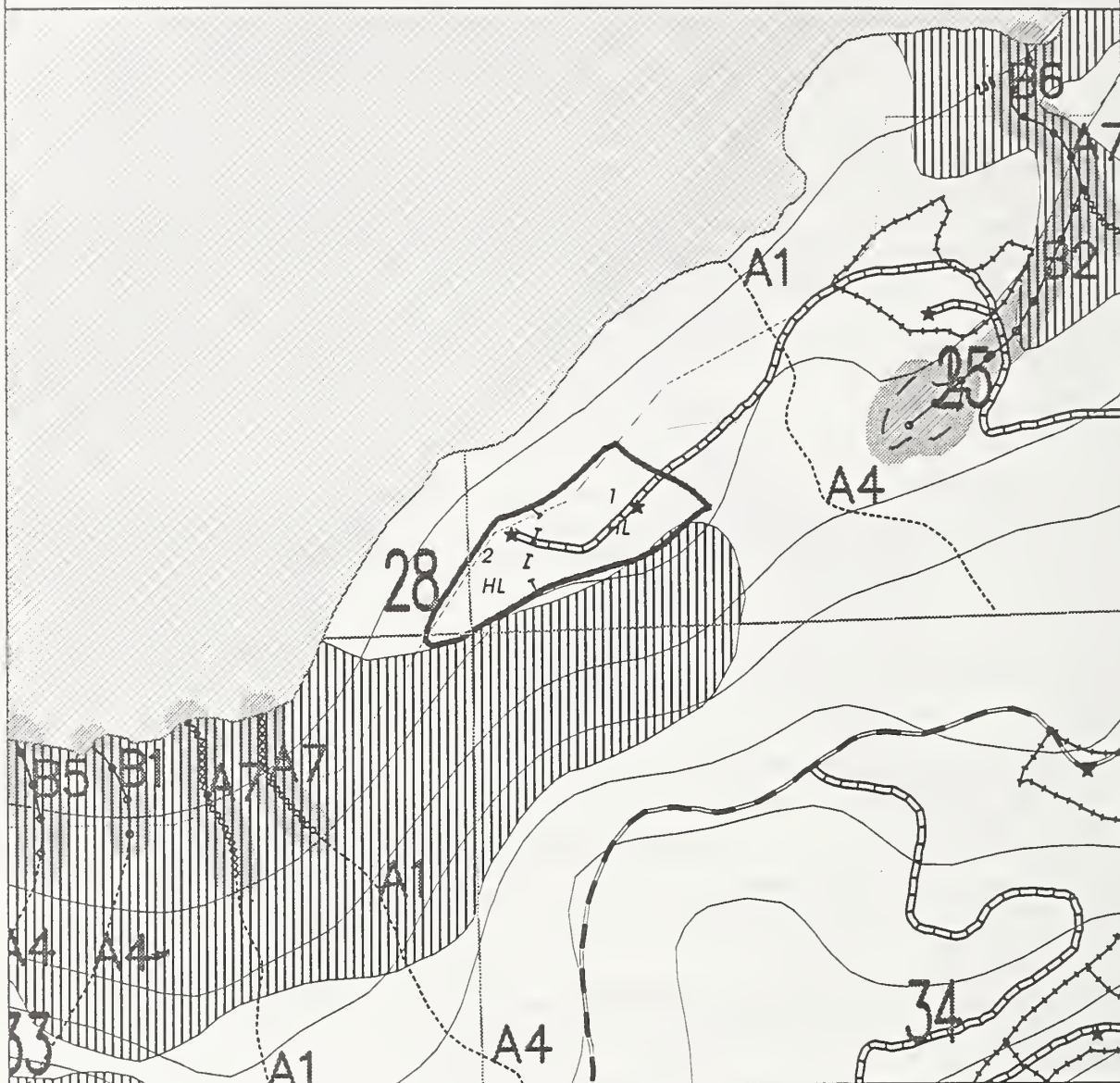
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7380 UNIT NUMBER: 6044

PLANNED HARVEST UNIT MAP

ACRES: 17 VOLUME: 432 MBF QUAD(s): KTND5 QUARTER QUAD(s): SVS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

BAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6045</u>	No. Settings <u>3</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>18</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>480</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>MHA</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 12 acres VC5 6 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 18 acres
Mass movement index: Low 0 acres Medium 3 acres High 15 acres Very High 0 acres
Cedar 0 Hemlock 18 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 18 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6046</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>15</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>375</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CMB</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 15 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 15 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 13 acres High 2 acres Very High 0 acres
Cedar 0 Hemlock 15 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 15 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 12 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

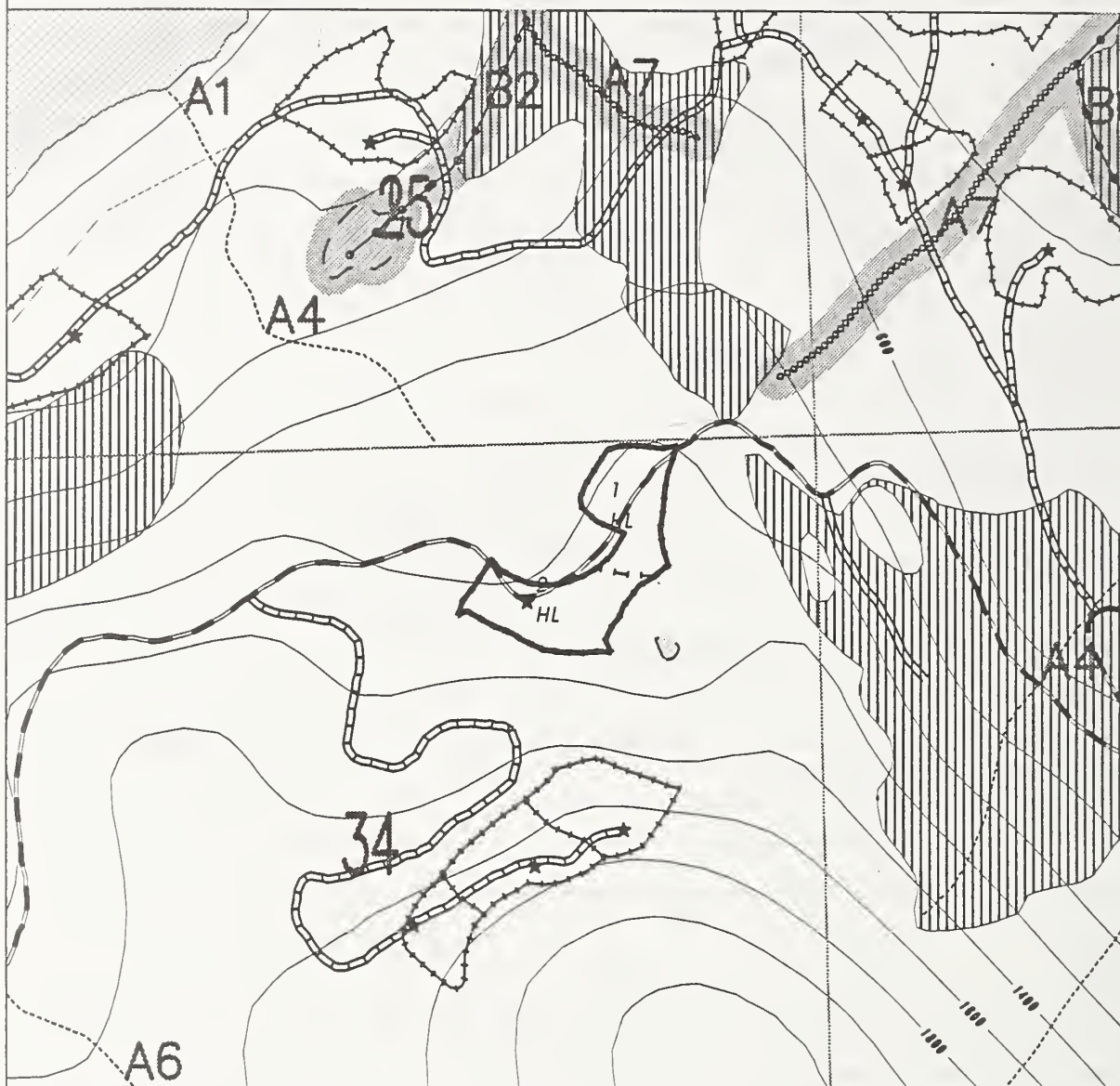
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6046

PLANNED HARVEST UNIT MAP

ACRES: 15 VOLUME: 375 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1178-13 LANDNET INFO TOWNSHIP 20S RANGE 20R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (up arrow symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6047</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>19</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>487</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 17 acres VC5 2 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 7 acres 1200-1500 ft. 8 acres over 1500 ft. 4 acres
Mass movement index: Low 0 acres Medium 0 acres High 19 acres Very High 0 acres
Cedar 0 Hemlock 17 Mixed 2 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 19 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 16 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

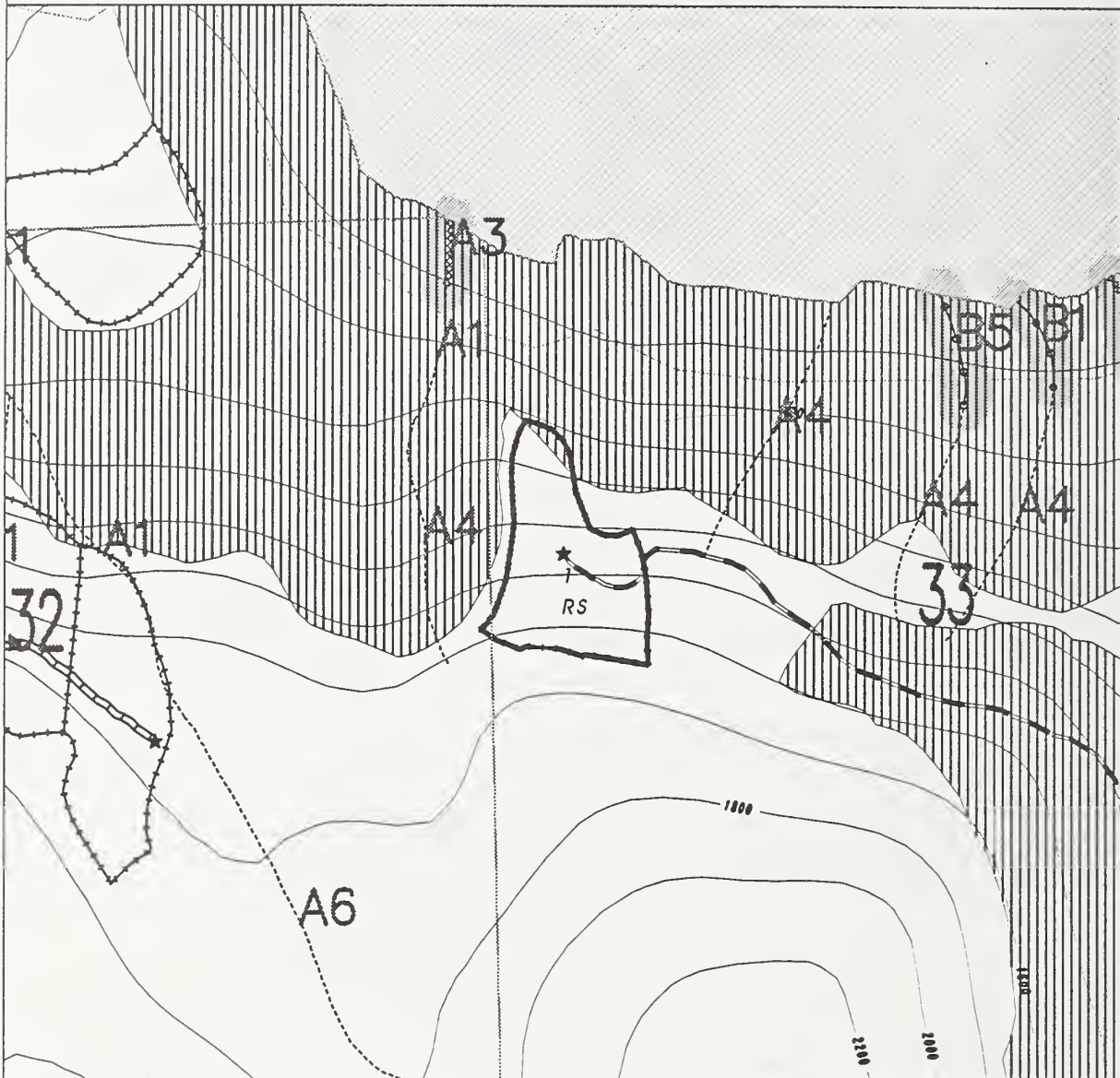
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6047

PLANNED HARVEST UNIT MAP

ACRES: 19 VOLUME: 487 MBP QUAD(s): KTND5 QUARTER QUAD(s): SVS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



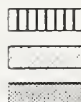
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6048</u>	No. Settings <u>3</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>44</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1499</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-70</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 19 acres VC5 0 acres VC6 25 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 5 acres 1200-1500 ft. 13 acres over 1500 ft. 26 acres
Mass movement index: Low 0 acres Medium 0 acres High 44 acres Very High 0 acres
Cedar 0 Hemlock 44 Mixed 0 Percent Seen 0.83 Percent Unseen 0.17 Aspect North

SOILS

This unit has 44 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 17 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

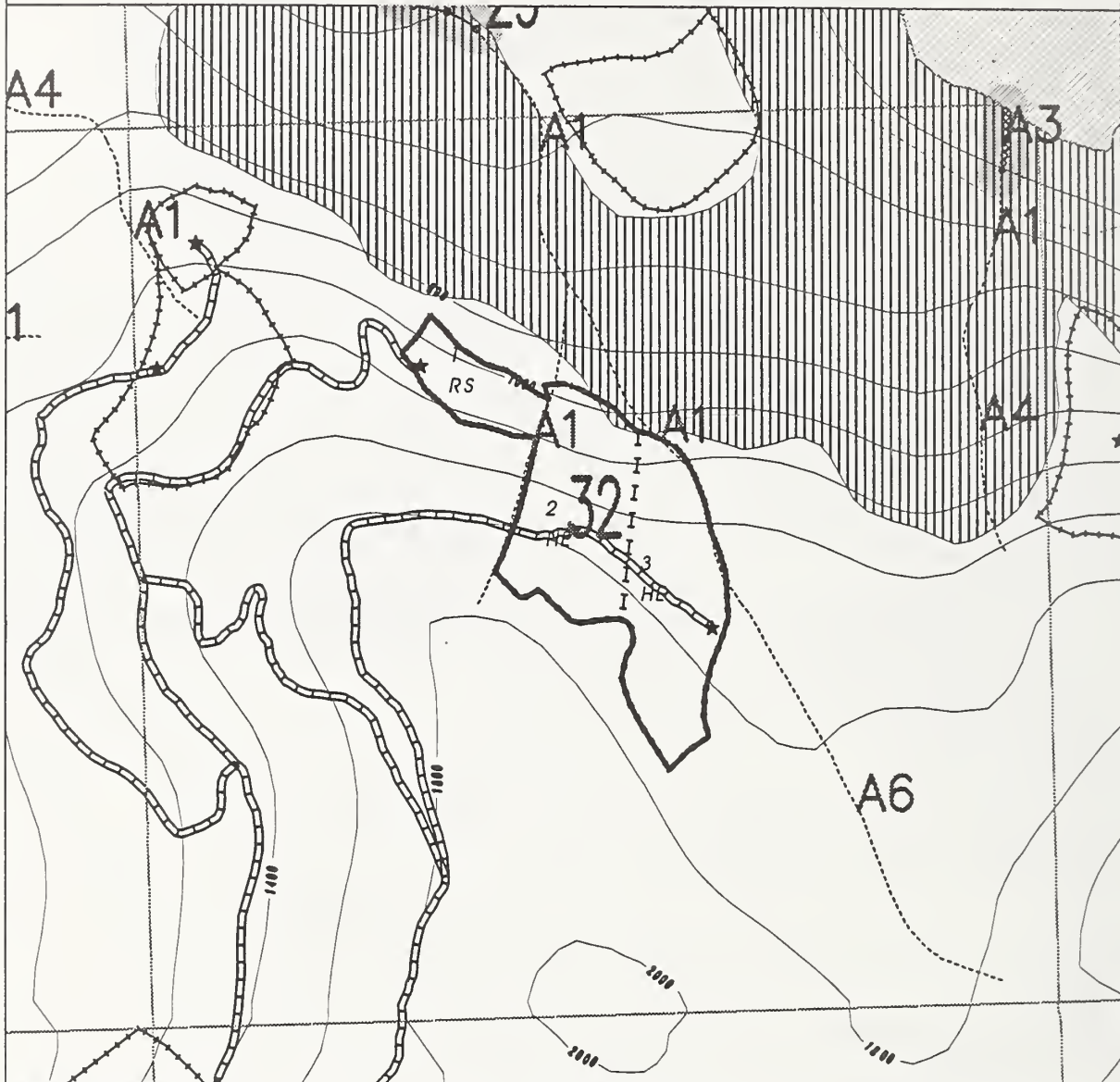
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6048

PLANNED HARVEST UNIT MAP

ACRES: 44 VOLUME: 1499 MBF QUAD(s): KTND5 QUARTER QUAD(s): SVS
 PHOTO NUM.: 1179-70 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (symbol)

EXISTING CLEARCUT (symbol)

SALTWATER AND LAKES (symbol)

CLASS I & II STREAM BUFFER (symbol)

LOGGING SYSTEMS:

RS RUNNING SKYLINE

HE HELICOPTER



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6049</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>20</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>627</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-71</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 20 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 20 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 20 acres Very High 0 acres
Cedar 0 Hemlock 20 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 20 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Maintain adequate distribution of snags by leaving 0.1 acre-sized patches of green trees within the unit for every 10 acres harvested. Snag patches must be compatible with logging system and safe working conditions.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.

There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

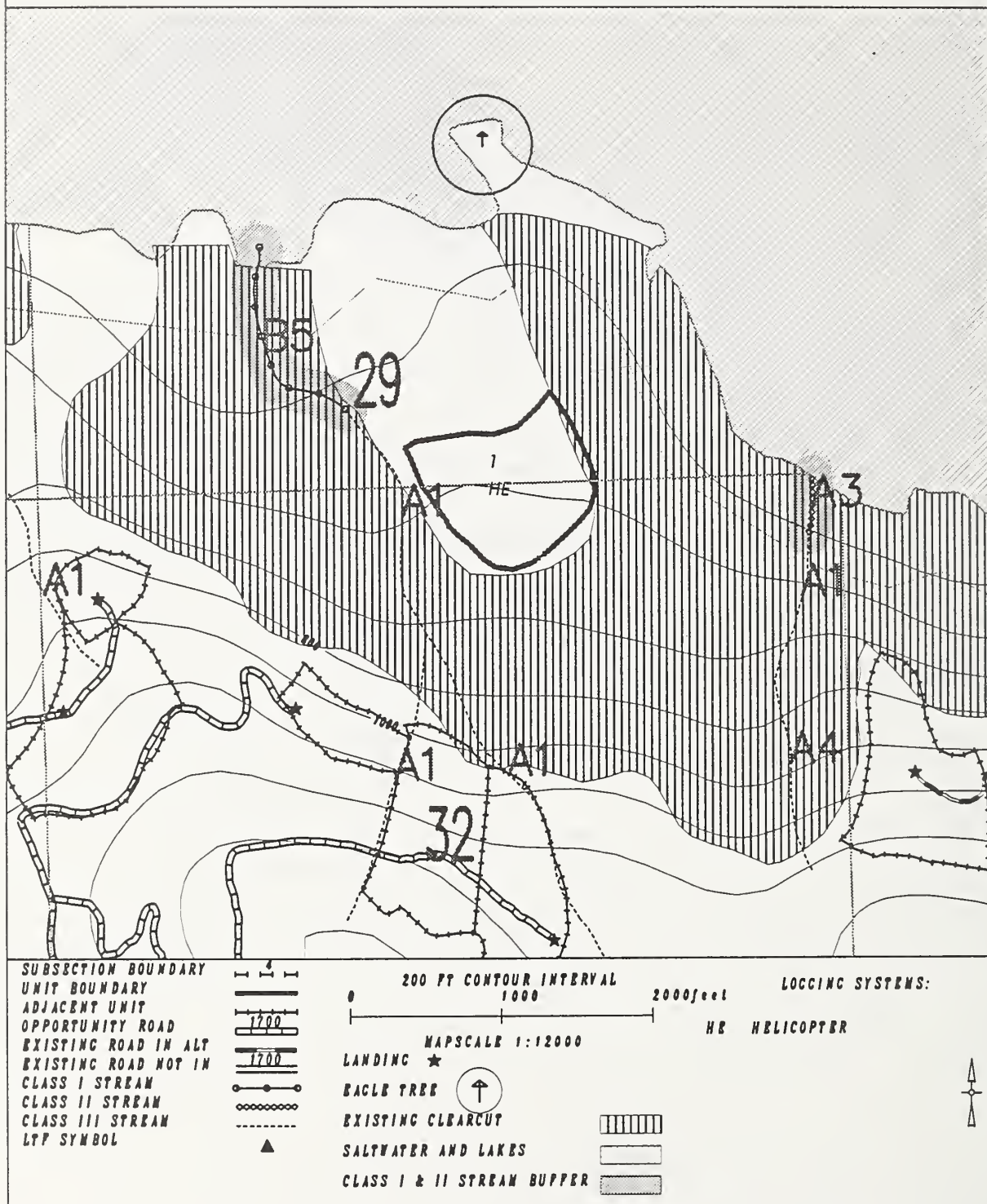
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6049

PLANNED HARVEST UNIT MAP

ACRES: 20 VOLUME: 627 MBP QUAD(s): KTND5 QUARTER QUAD(s): SVS
 PHOTO NUM.: 1179-71 LANDNET INFO TOWNSHIP 7DS RANGE 9DR

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6050</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>42</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1578</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WDC</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-70</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 9 acres VC5 0 acres VC6 33 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 15 acres 1200-1500 ft. 12 acres over 1500 ft. 15 acres
Mass movement index: Low 0 acres Medium 26 acres High 16 acres Very High 0 acres
Cedar 0 Hemlock 42 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.

There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

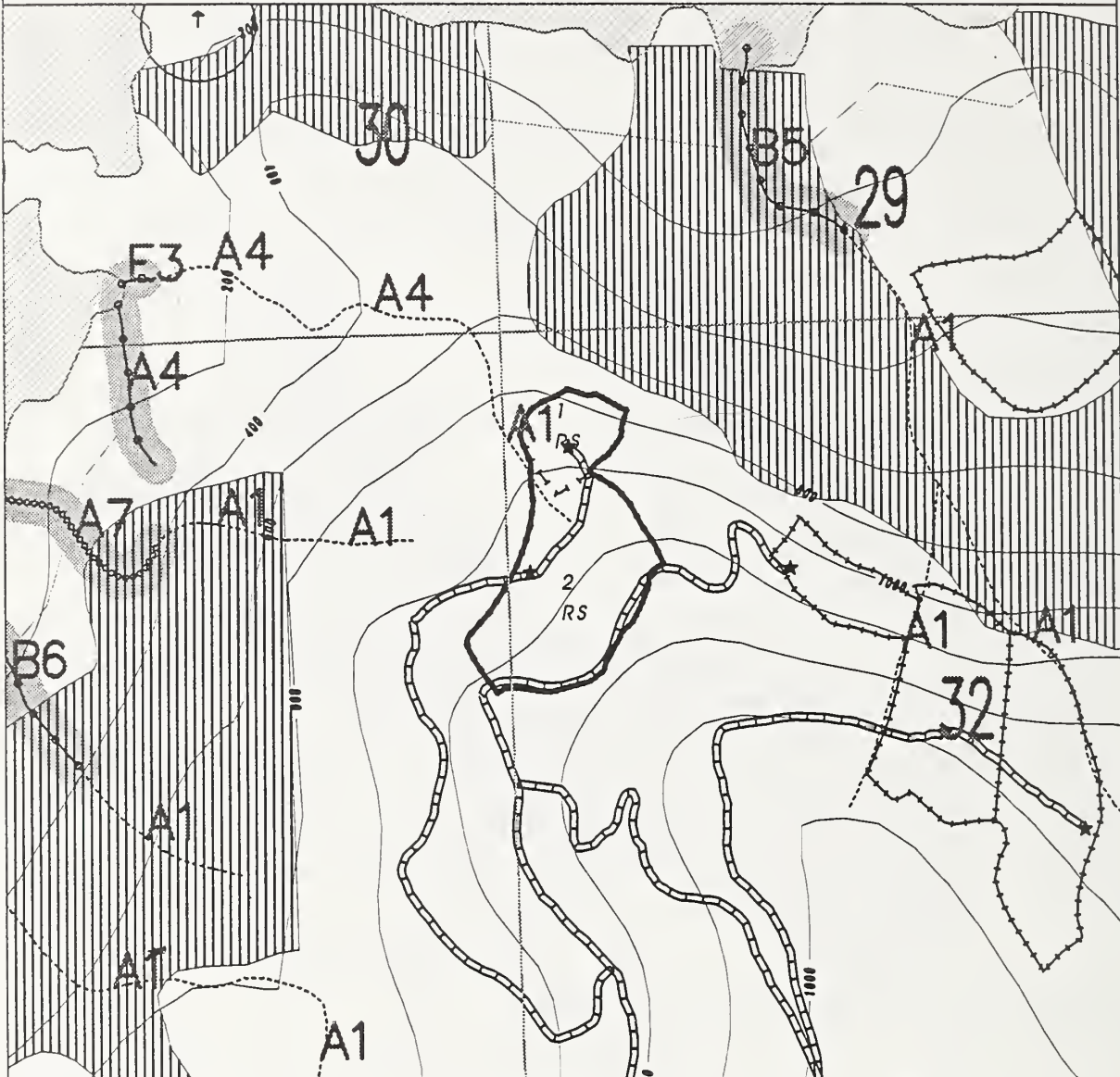
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6050

PLANNED HARVEST UNIT MAP

ACRES: 42 VOLUME: 1578 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-70 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (up arrow in circle)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6051</u>	No. Settings <u>3</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>56</u>		Quad <u>KTNC5NWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2006</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-68</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 24 acres VC6 32 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 14 acres 1200-1500 ft. 26 acres over 1500 ft. 16 acres
Mass movement index: Low 7 acres Medium 3 acres High 46 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 56 Percent Seen 0.82 Percent Unseen 0.18 Aspect West

SOILS

This unit has 56 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 17 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/SW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6051

PLANNED HARVEST UNIT MAP

ACRES: 58 VOLUME: 2006 MBP QUAD(s): KTND5/KTNC5 QUARTER QUAD(s): SWS/NWN
 PHOTO NUM.: 1179-68 LANDNET INFO TOWNSHIP 70S RANGE 20R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 BUCKLE TREE (up arrow)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6052</u>	No. Settings <u>4</u>	Alternatives considered <u>4</u>	VQO <u>MM</u>
Planned acres <u>86</u>	Quad <u>KTND5SWS</u>		Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2300</u>	Mgmt Area <u>K32</u> VCU <u>7360</u>		Plant Series <u>CCS</u>
Logging methods <u>HL SL RS</u>	WAA <u>510</u>		Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1179-10</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 62 acres VC5 24 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 37 acres 800-1200 ft. 36 acres 1200-1500 ft. 13 acres over 1500 ft. 0 acres
Mass movement index: Low 63 acres Medium 20 acres High 3 acres Very High 0 acres
Cedar 0 Hemlock 31 Mixed 55 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 86 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 23 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains unclassified streams.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

VCU: 7360 UNIT NUMBER: 6052

ACRES: 86 VOLUME: 2300 MBF QUAD(s): KTND QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 80R

MAPSCALE 1:12000

SL SLACKLINE
RS RUNNING SKYLINE
HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6053</u>	No. Settings <u>1</u>	Alternatives considered <u>4</u>	VQO <u>M</u>
Planned acres <u>25</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>784</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 25 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 25 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 7 acres Medium 0 acres High 18 acres Very High 0 acres
Cedar 0 Hemlock 25 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 25 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 17 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the BEHM/NW NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

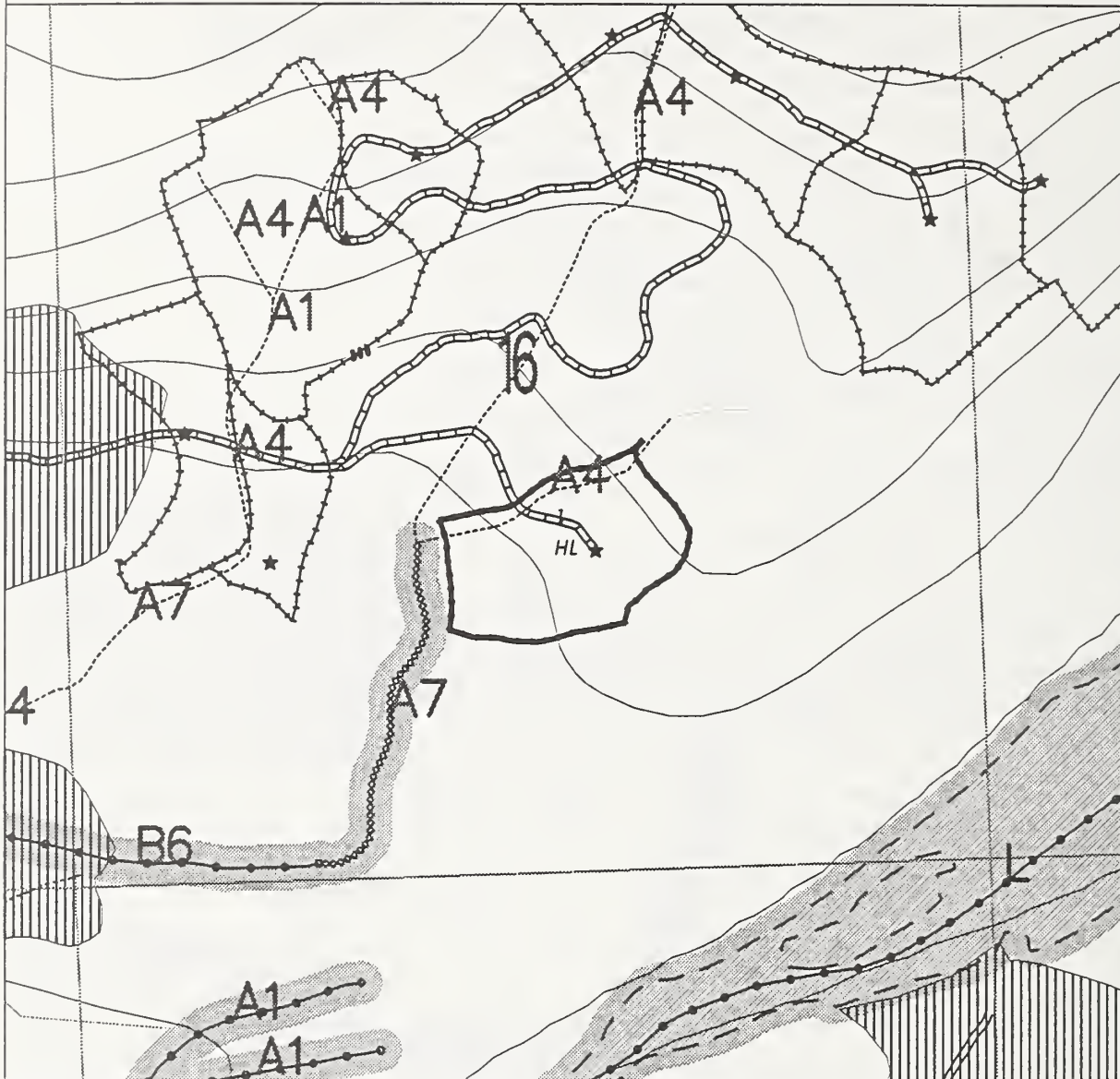
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7380 UNIT NUMBER: 8053

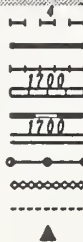
PLANNED HARVEST UNIT MAP

ACRES: 25 VOLUME: 784 MBF QUAD(s): KTND5 QUARTER QUAD(s): SVS
 PHOTO NUM.: 1179-10 LANDNET INFO TOWNSHIP 70S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 BUCKLE TREE ↑
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 21, 1982

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6054</u>	No. Settings <u>2</u>	Alternatives considered <u>4</u>	VQO <u>MM</u>
Planned acres <u>11</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>273</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>MHA</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 10 acres VC5 1 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 11 acres
Mass movement index: Low 0 acres Medium 3 acres High 8 acres Very High 0 acres
Cedar 0 Hemlock 11 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 11 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the INNER NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

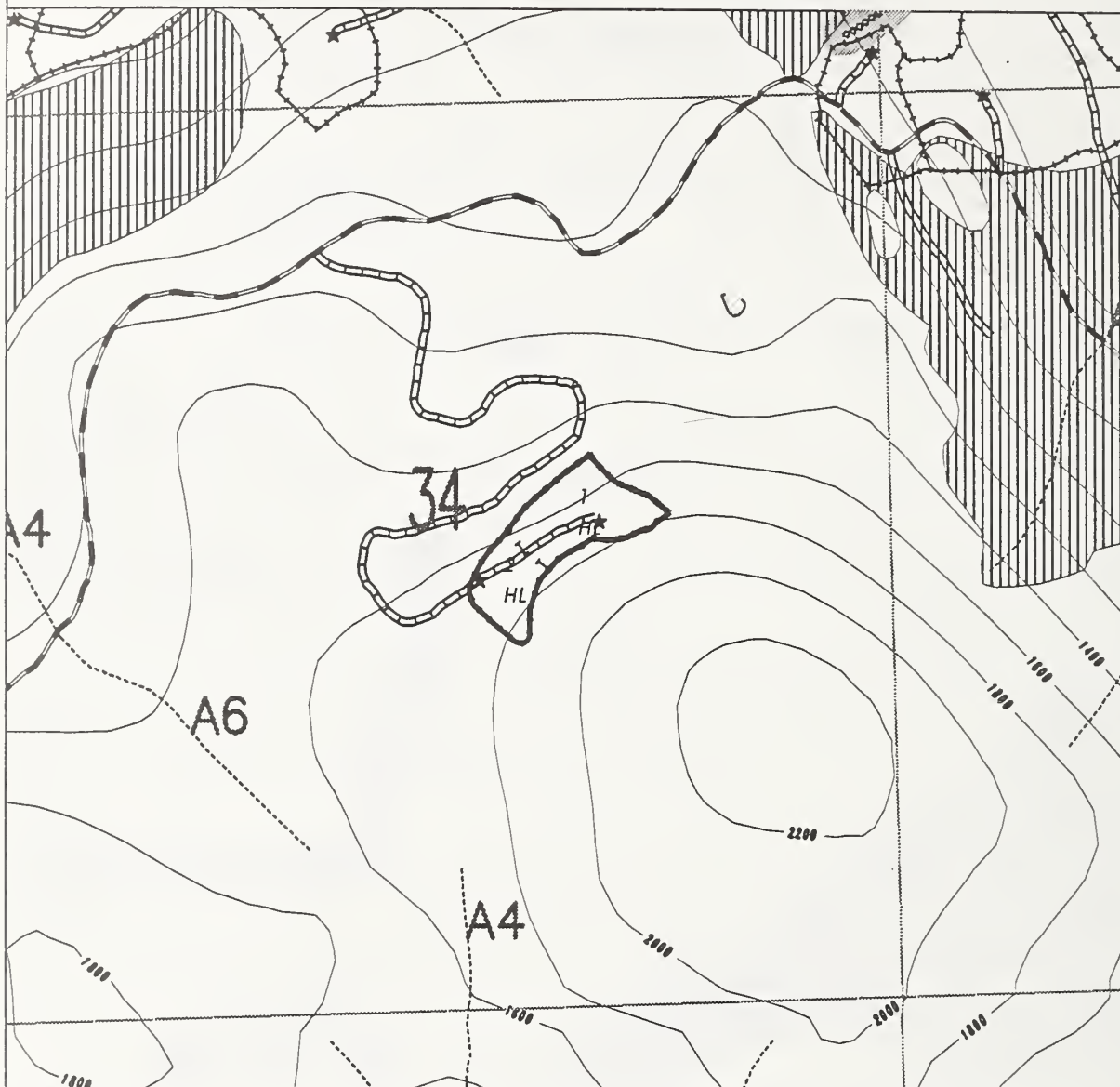
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 6054

PLANNED HARVEST UNIT MAP

ACRES: 11 VOLUME: 273 MBF QUAD(s): KYND5 QUARTER QUAD(s): SYS
 PHOTO NUM.: 1179-13 LANDNET INFO TOWNSHIP 70S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL

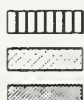


200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>6055</u>	No. Settings <u>6</u>	Alternatives considered <u>4</u>	VQO <u>MM</u>
Planned acres <u>59</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1550</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WDC</u>
Logging methods <u>HL RS LS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 47 acres VC5 12 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 59 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 22 acres High 35 acres Very High 0 acres
Cedar 0 Hemlock 59 Mixed 0 Percent Seen 1.00 Percent Unseen 0.00 Aspect West

SOILS

This unit has 59 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 17 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B6 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7380 UNIT NUMBER: 8055

PLANNED HARVEST UNIT MAP

ACRES: 59 VOLUME: 1550 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-22 LANDNET INFO TOWNSHIP 70S RANGE 80R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000feet

MAPSCALE 1:12000

LANDING ★

BAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD

LS LIVE SKYLINE

RS RUNNING SKYLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7000</u>	No. Settings <u>1</u>	Alternatives considered <u>4</u>	VQO <u>M</u>
Planned acres <u>14</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>439</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WDC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 14 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 14 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 14 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 14 Mixed 0 Percent Seen 0.71 Percent Unseen 0.29 Aspect East

SOILS

This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7000

PLANNED HARVEST UNIT MAP

ACRES: 14 VOLUME: 439 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-13 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7001</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>M</u>
Planned acres <u>66</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2231</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u> <u>LS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 17 acres VC5 21 acres VC6 28 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 10 acres 800-1200 ft. 56 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 9 acres Medium 0 acres High 57 acres Very High 0 acres
Cedar 0 Hemlock 66 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has 66 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 51 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 6 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.03 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

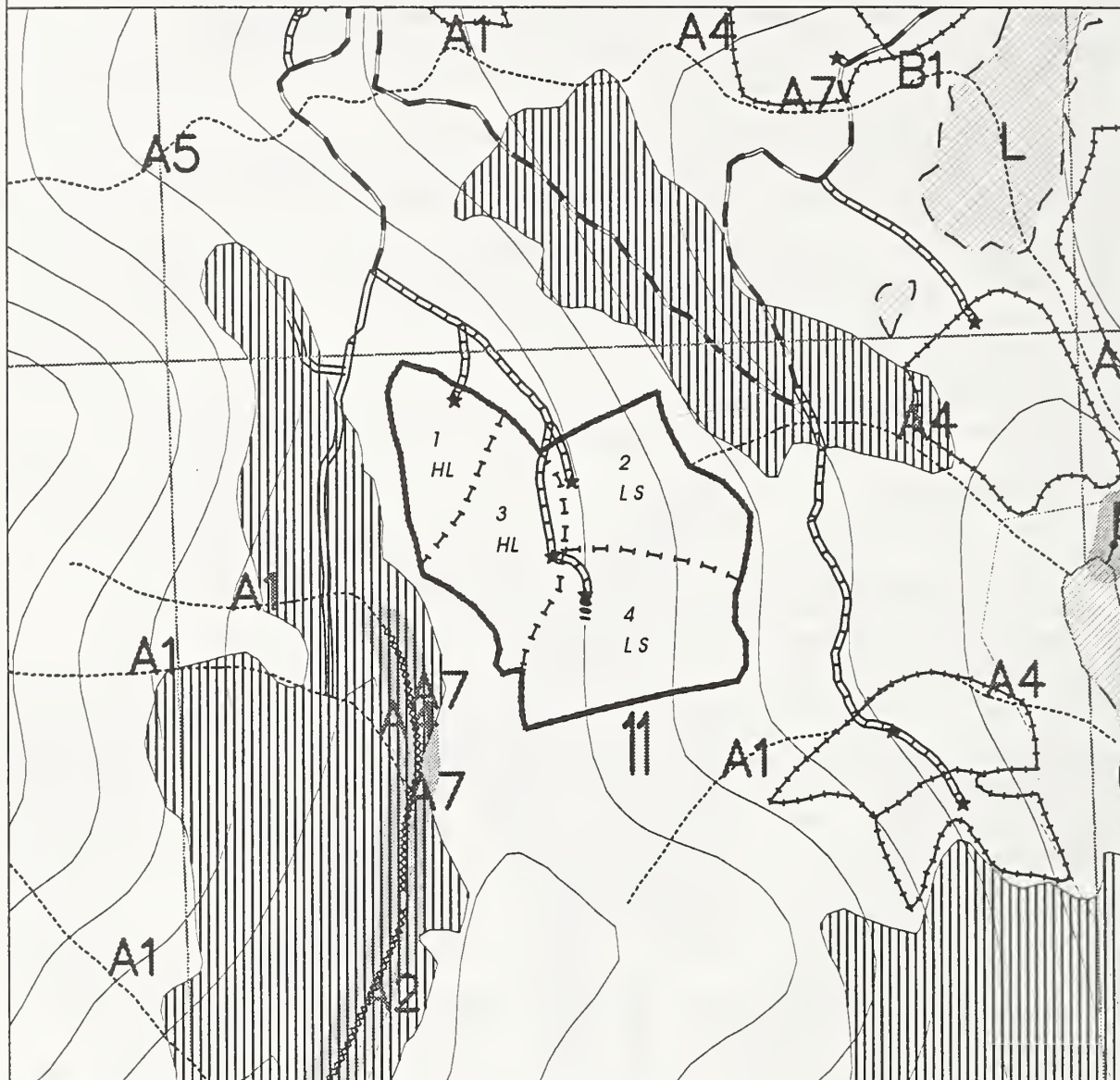
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 7001

PLANNED HARVEST UNIT MAP

ACRES: 66 VOLUME: 2231 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-13 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD
 LS LIVE SKYLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7002</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>PR</u>
Planned acres <u>33</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1035</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-14</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 33 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 13 acres 800-1200 ft. 20 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 5 acres Medium 28 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 29 Mixed 4 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has 33 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 27 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the BEHM/GEDNEY PASS viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

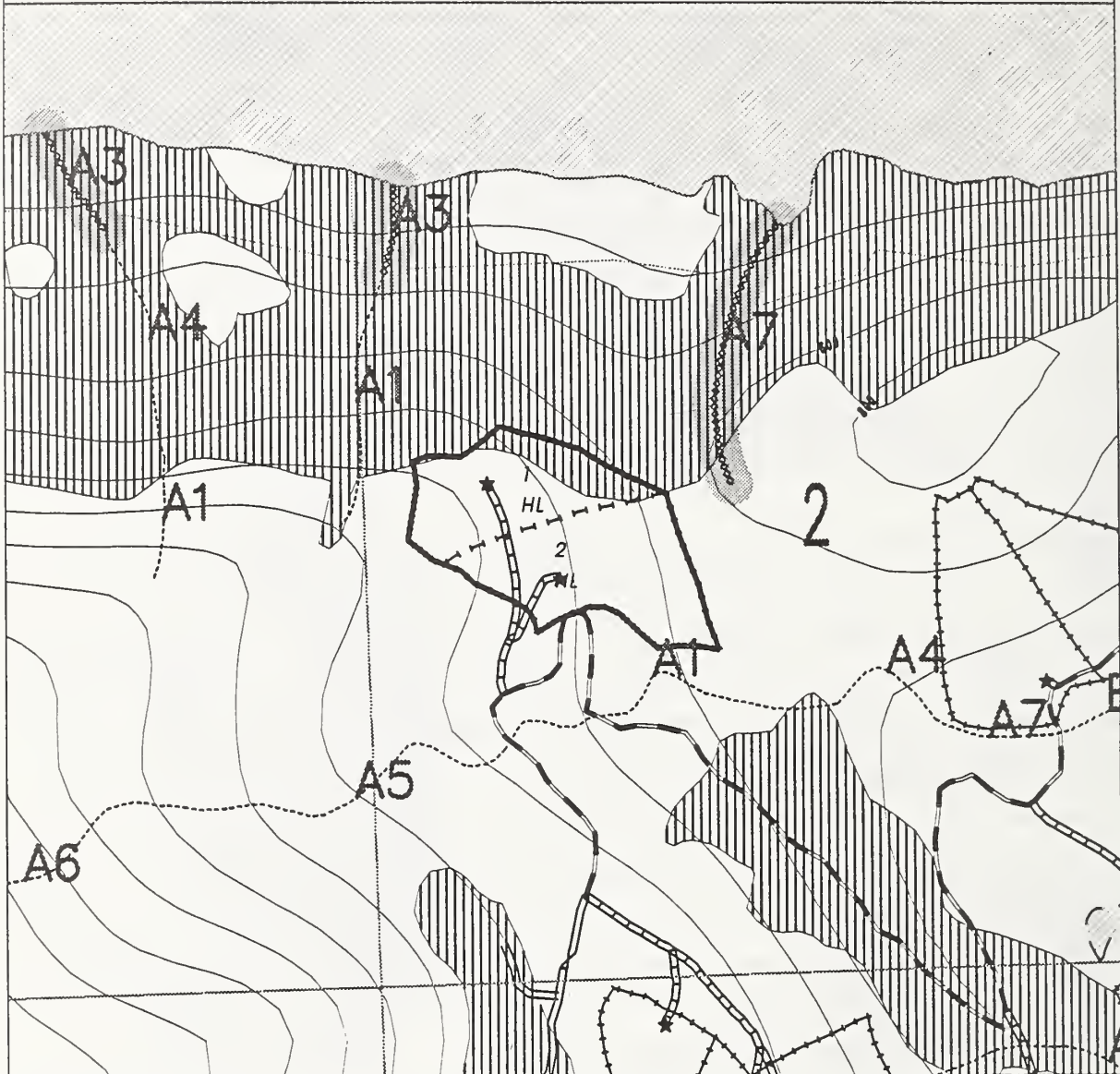
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 7002

PLANNED HARVEST UNIT MAP

ACRES: 33 VOLUME: 1035 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-14 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



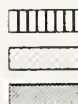
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (upward arrow in circle)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7003</u>	No. Settings <u>2</u>	Alternatives considered <u>2 3 5</u>	VQO <u>M</u>
Planned acres <u>37</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1160</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCS</u>
Logging methods <u>SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-14</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 37 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 37 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 7 acres Medium 30 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 37 Mixed 0 Percent Seen 0.70 Percent Unseen 0.30 Aspect West

SOILS

This unit has 37 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 30 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

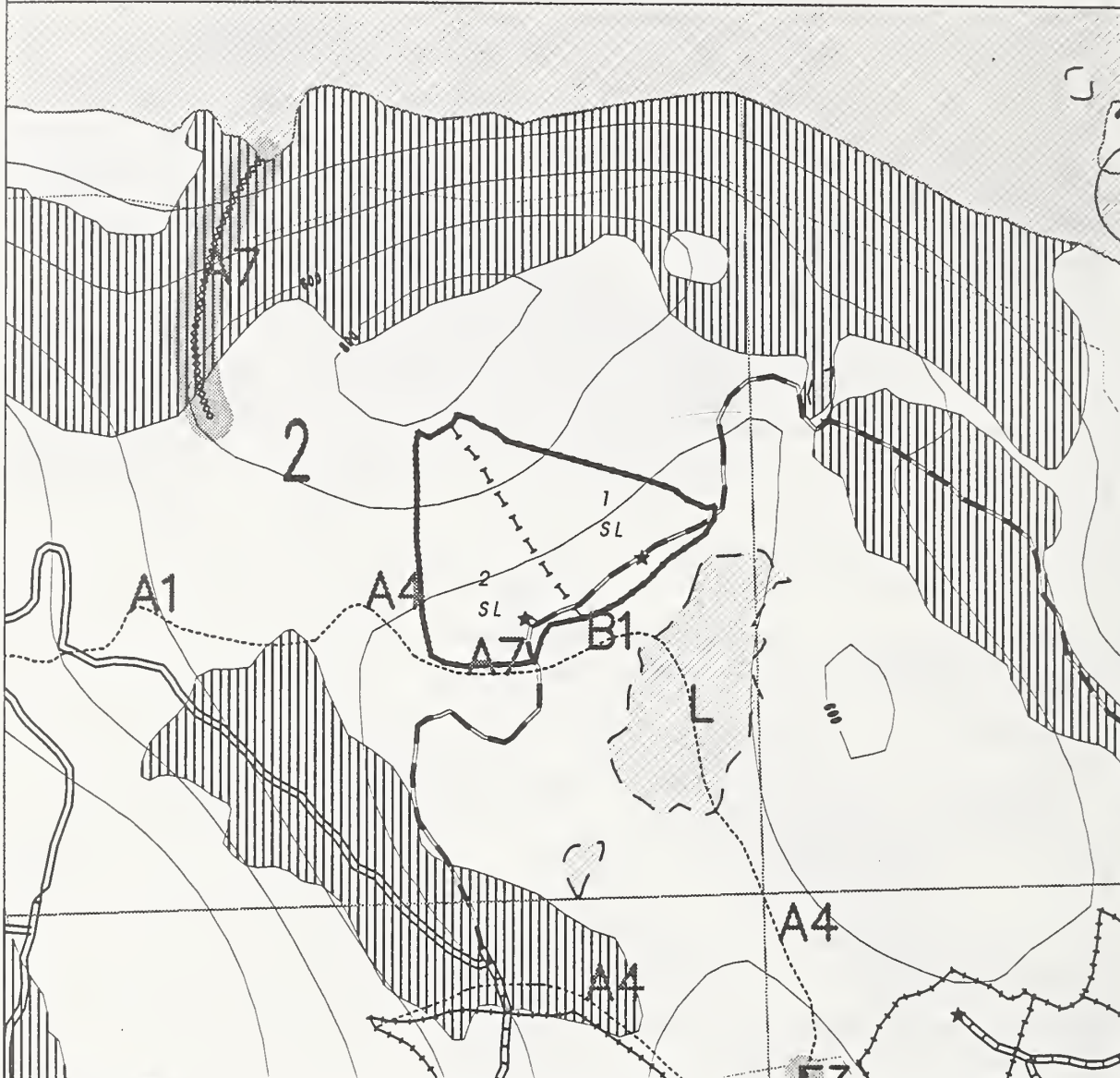
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7003

PLANNED HARVEST UNIT MAP

ACRES: 37 VOLUME: 1160 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-14 LANDNET INFO TOWNSHIP 703 RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN ALT
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow in circle)
 EXISTING CLEARCUT (hatched box)
 SALTWATER AND LAKES (light blue box)
 CLASS I & II STREAM BUFFER (dark blue box)

LOGGING SYSTEMS:

SL SLACKLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7004</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>M</u>
Planned acres <u>25</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>690</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 25 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 25 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 24 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 24 Mixed 1 Percent Seen 0.82 Percent Unseen 0.18 Aspect East

SOILS

This unit has 22 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 21 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Maintain adequate distribution of snags by leaving 0.1 acre-sized patches of green trees within the unit for every 10 acres harvested. Snag patches must be compatible with logging system and safe working conditions.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

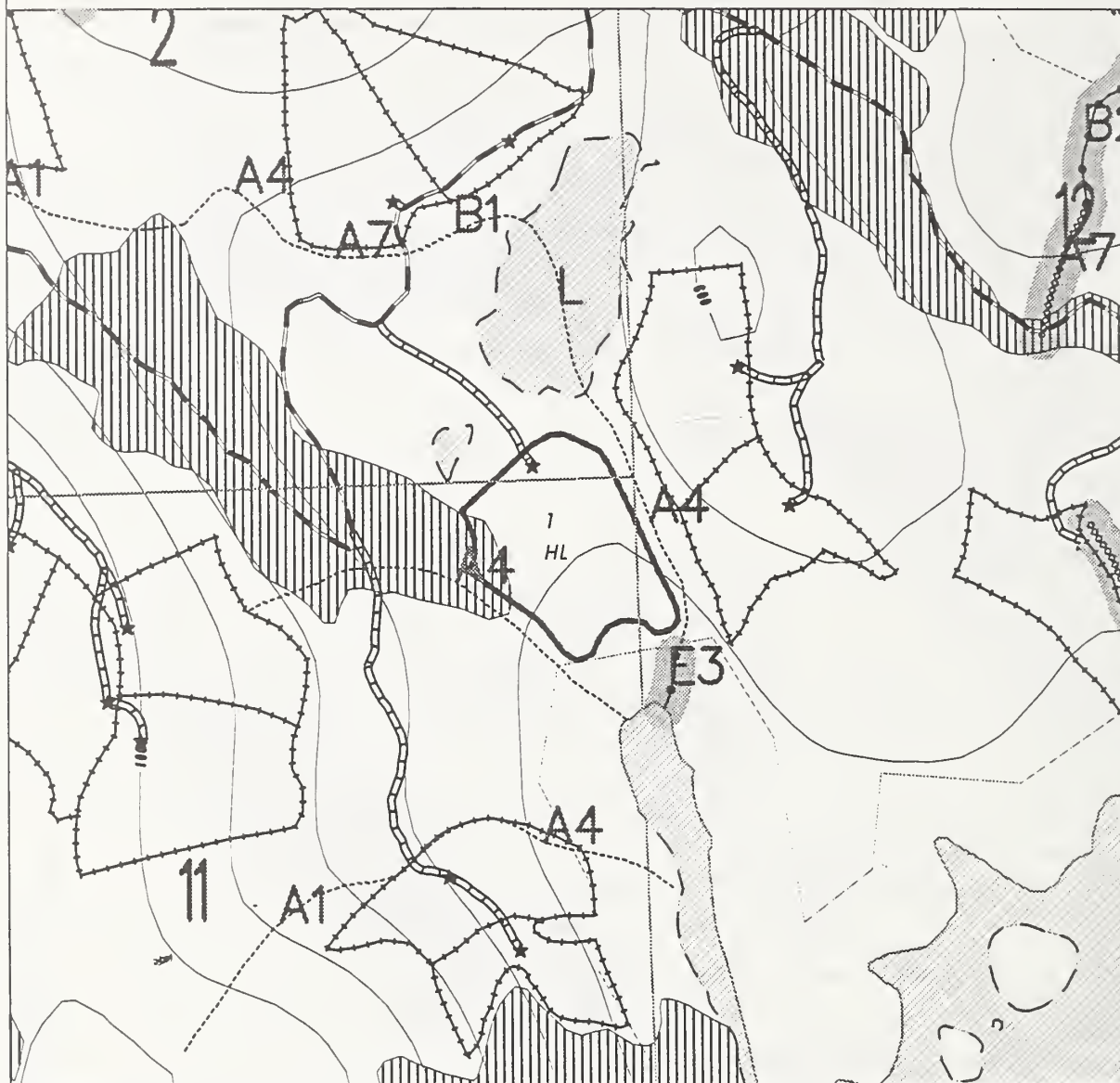
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7004

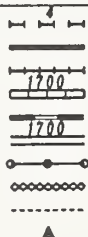
PLANNED HARVEST UNIT MAP

ACRES: 25 VOLUME: 690 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWH
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



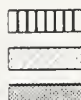
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT (dashed line)
 SALTWATER AND LAKES (wavy line)
 CLASS I & II STREAM BUFFER (shaded area)



LOGGING SYSTEMS:

HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7005</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>M</u>
Planned acres <u>26</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>835</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 24 acres VC6 2 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 26 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 17 acres High 9 acres Very High 0 acres
Cedar 0 Hemlock 15 Mixed 11 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has 26 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 8 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Potentially very low volume per acre.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

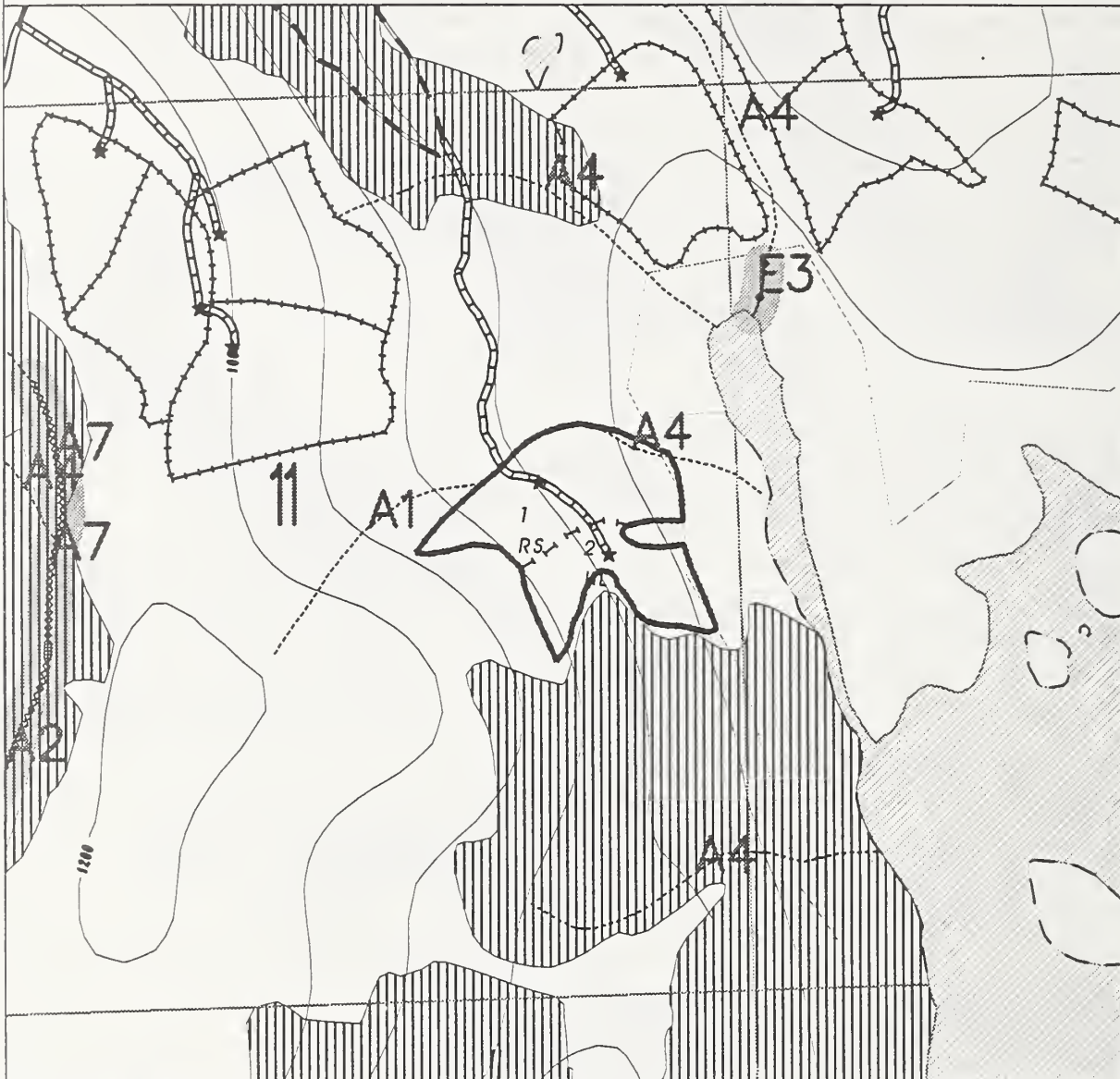
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7005

PLANNED HARVEST UNIT MAP

ACRES: 26 VOLUME: 835 MBF QUAD(s): KTND5 QUARTER QUAD(s): SYN
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP 78S RANGE 92E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

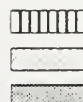
LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE

HL HIGHLEAD



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7006</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>32</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1003</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 32 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 32 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 22 acres High 10 acres Very High 0 acres
Cedar 0 Hemlock 32 Mixed 0 Percent Seen 0.57 Percent Unseen 0.43 Aspect West

SOILS

This unit has 32 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 28 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

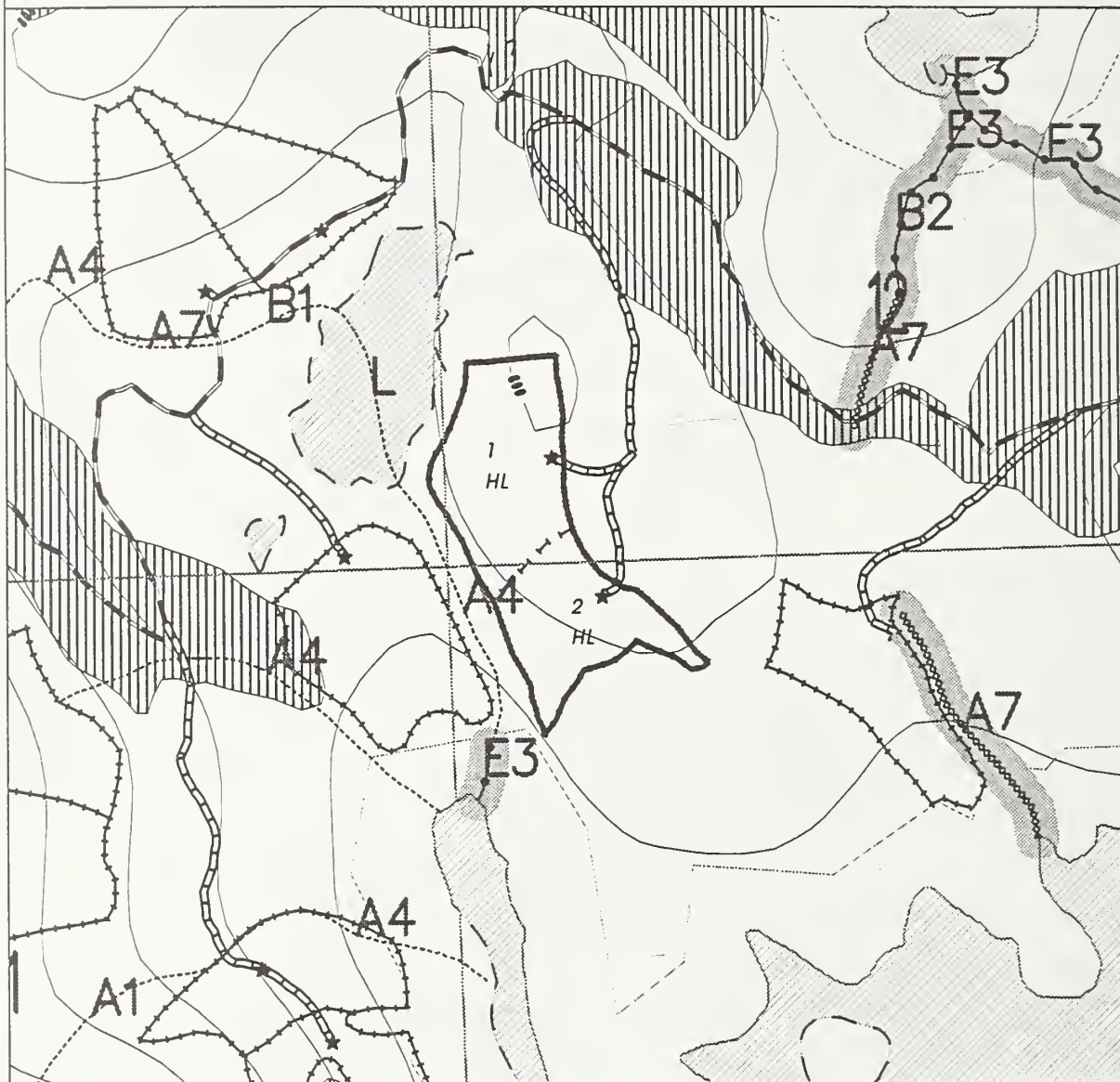
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7006

PLANNED HARVEST UNIT MAP

ACRES: 32 VOLUME: 1003 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



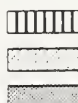
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7007</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>PR</u>
Planned acres <u>16</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>502</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 16 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 16 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 16 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 16 Mixed 0 Percent Seen 0.26 Percent Unseen 0.74 Aspect South

SOILS

This unit has 16 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 13 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7007

PLANNED HARVEST UNIT MAP

ACRES: 16 VOLUME: 502 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP RANGE

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.

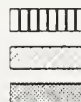


SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (circle with cross)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7008</u> No. Settings <u>3</u>	Alternatives considered <u>2 4 5</u>	VQO <u>M</u>
Planned acres <u>14</u>	Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>438</u>	Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>	WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 14 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 14 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 11 acres Medium 3 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 14 Mixed 0 Percent Seen 0.30 Percent Unseen 0.70 Aspect South

SOILS

This unit has 15 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 11 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction on 0.20 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

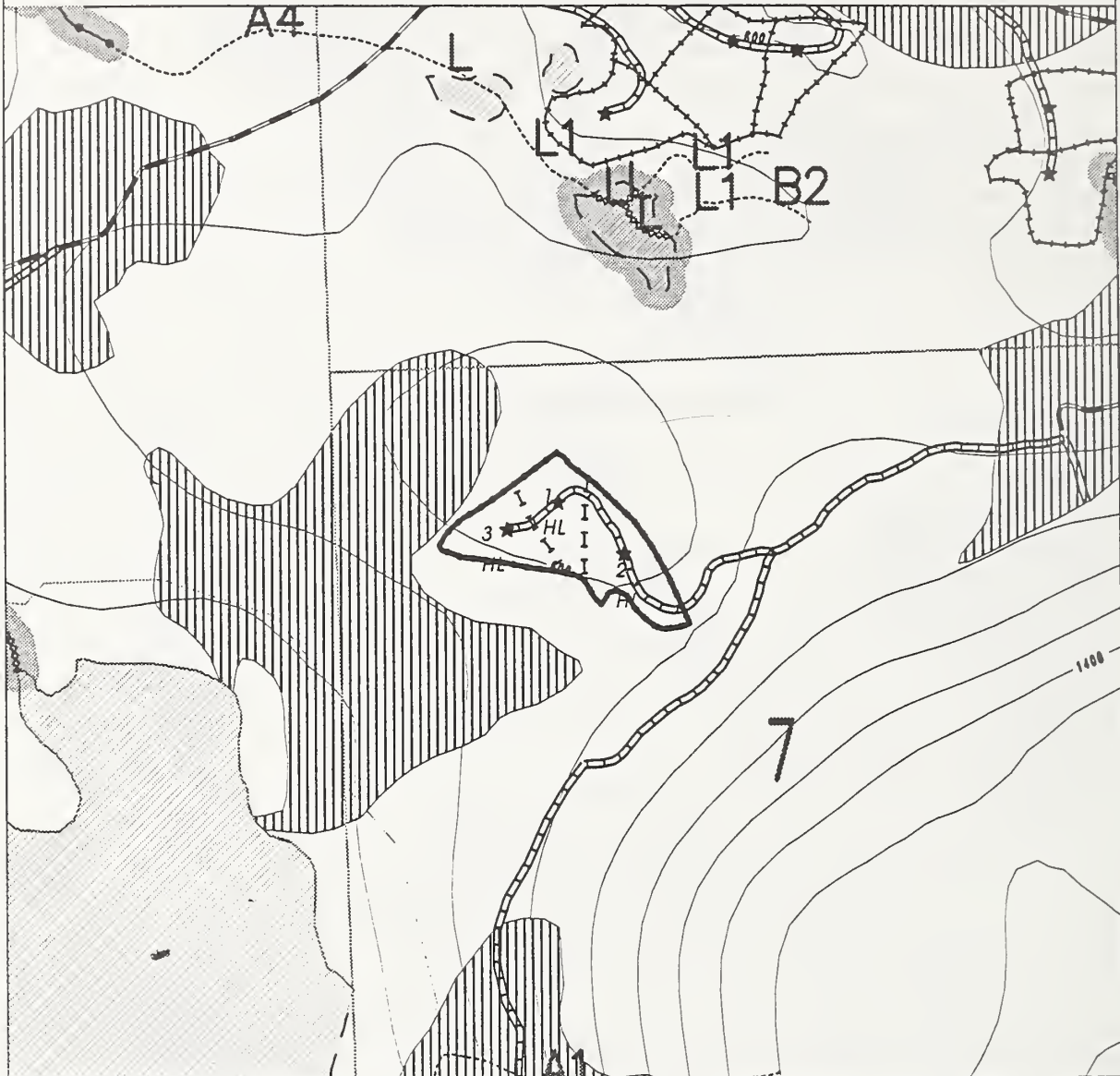
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7008

PLANNED HARVEST UNIT MAP

ACRES: 14 VOLUME: 438 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWM
 PHOTO NUM.: 1179-19 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7009</u>	No. Settings <u>3</u>	Alternatives considered <u>2 4 6</u>	VQO <u>PR</u>
Planned acres <u>45</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1412</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 45 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 45 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 45 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 45 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 44 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 24 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B3 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Maintain adequate distribution of snags by leaving 0.1 acre-sized patches of green trees within the unit for every 10 acres harvested. Snag patches must be compatible with logging system and safe working conditions.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

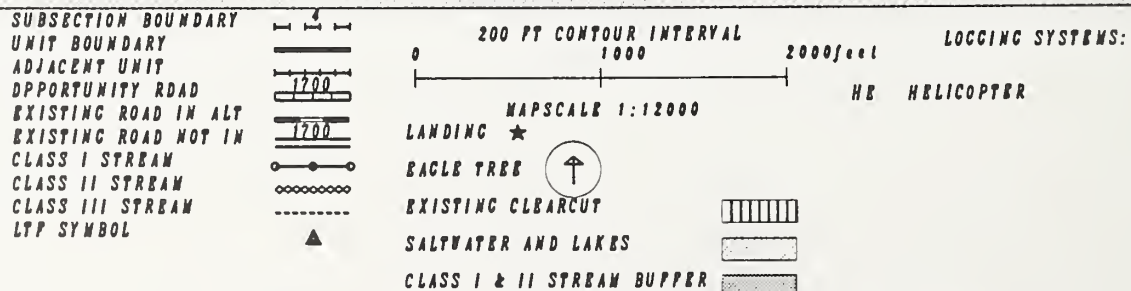
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7009

PLANNED HARVEST UNIT MAP

ACRES: 45 VOLUME: 1412 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7010</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>27</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>674</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WDC</u>
Logging methods <u>HL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 27 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 27 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 12 acres High 14 acres Very High 0 acres
Cedar 0 Hemlock 27 Mixed 0 Percent Seen 1.00 Percent Unseen 0.00 Aspect West

SOILS

This unit has 27 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 7 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7010

PLANNED HARVEST UNIT MAP

ACRES: 27 VOLUME: 674 MBP QUAD(s): KYND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-13 LANDNET INFO TOWNSHIP 70S RANGE 00R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HL HIGHLEAD



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7011</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>27</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>674</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WDC</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 27 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 25 acres 800-1200 ft. 2 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 12 acres High 14 acres Very High 0 acres
Cedar 0 Hemlock 27 Mixed 0 Percent Seen 0.81 Percent Unseen 0.19 Aspect East

SOILS

This unit has 27 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 12 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

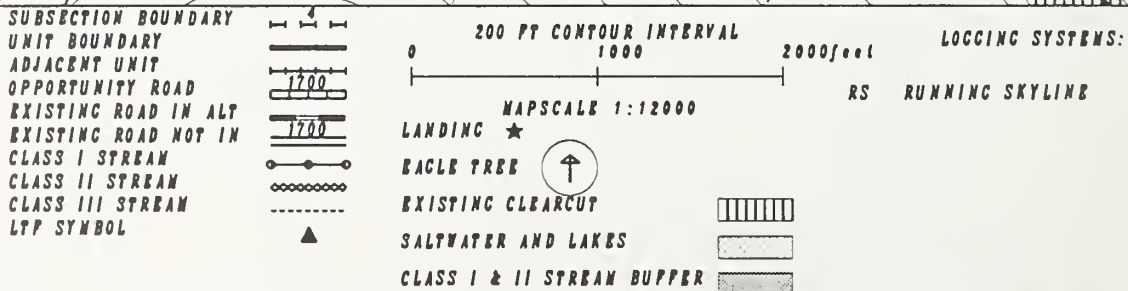
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7011

PLANNED HARVEST UNIT MAP

ACRES: 27 VOLUME: 674 MBF QUAD(s): KYND5 QUARTER QUAD(s): SYS
 PHOTO NUM.: 1179-13 LANDNET INFO TOWNSHIP 70S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7012</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>44</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1158</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 35 acres VC5 9 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 44 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 5 acres Medium 22 acres High 17 acres Very High 0 acres
Cedar 0 Hemlock 44 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect South

SOILS

This unit has 44 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 24 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 1 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Replanting of yellow and red cedar should be considered.
Recommendation is to perform a prescribed burn after harvest is completed to promote regeneration.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7012

PLANNED HARVEST UNIT MAP

ACRES: 44 VOLUME: 1158 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



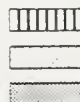
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7013</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>45</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1266</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 23 acres VC5 22 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 45 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 45 acres Medium 0 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 45 Mixed 0 Percent Seen 0.46 Percent Unseen 0.54 Aspect East

SOILS

This unit has 45 acres that may require partial or full suspension (BMP 13.9)
This unit contains 43 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.

There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

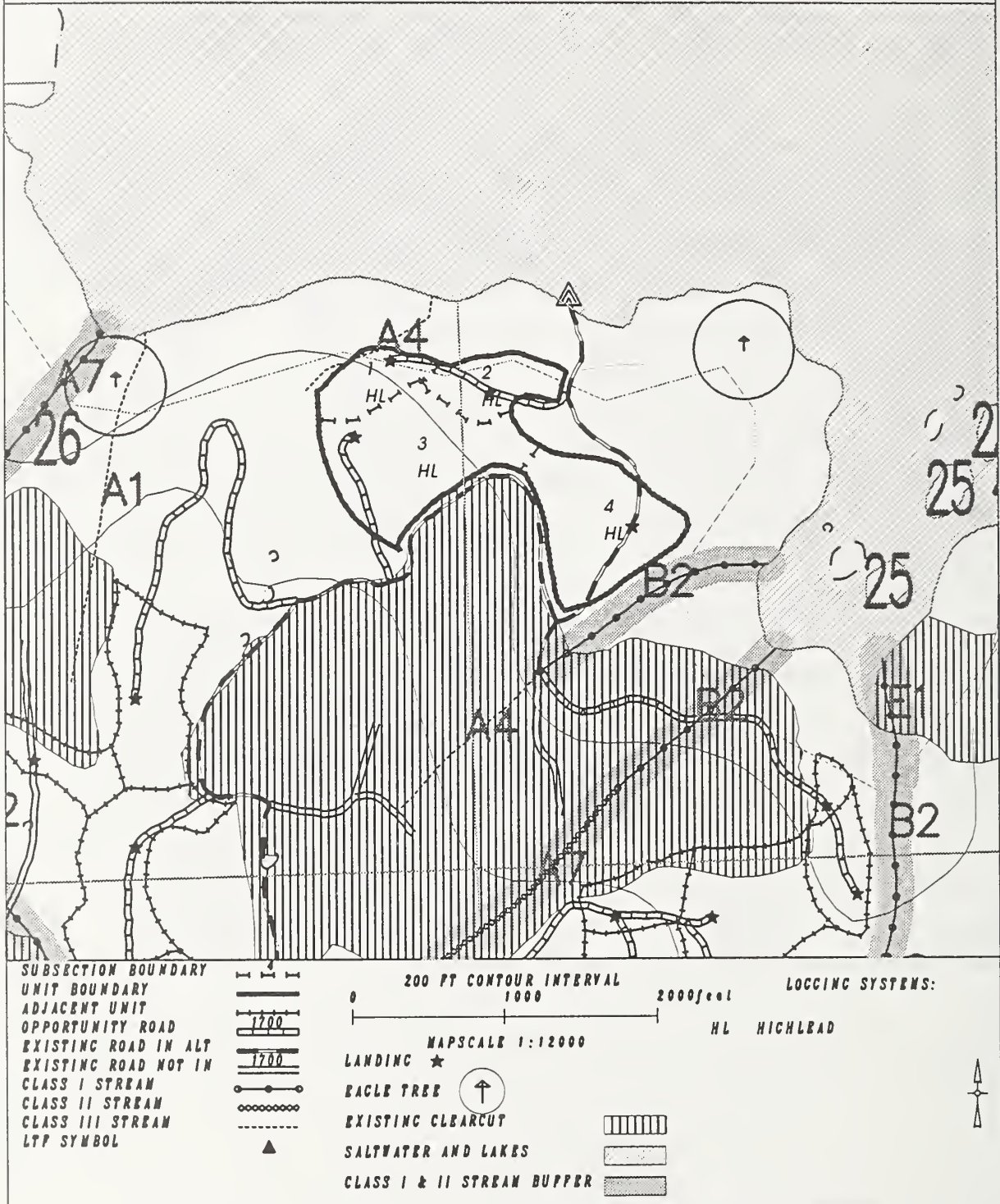
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7013

PLANNED HARVEST UNIT MAP

ACRES: 45 VOLUME: 1266 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7014</u>	No. Settings <u>5</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>37</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1161</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-16</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 37 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 37 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 3 acres Medium 34 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 37 Percent Seen 0.75 Percent Unseen 0.25 Aspect East

SOILS

This unit has 15 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 11 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 2 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

The road into this unit crosses a B2 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.

FISH/WATERSHED

There are 3 streams which have fish passage requirements, of these passes 2 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of
Bald Eagle nest site. If nestsite is active follow the intra-agency agreement
agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

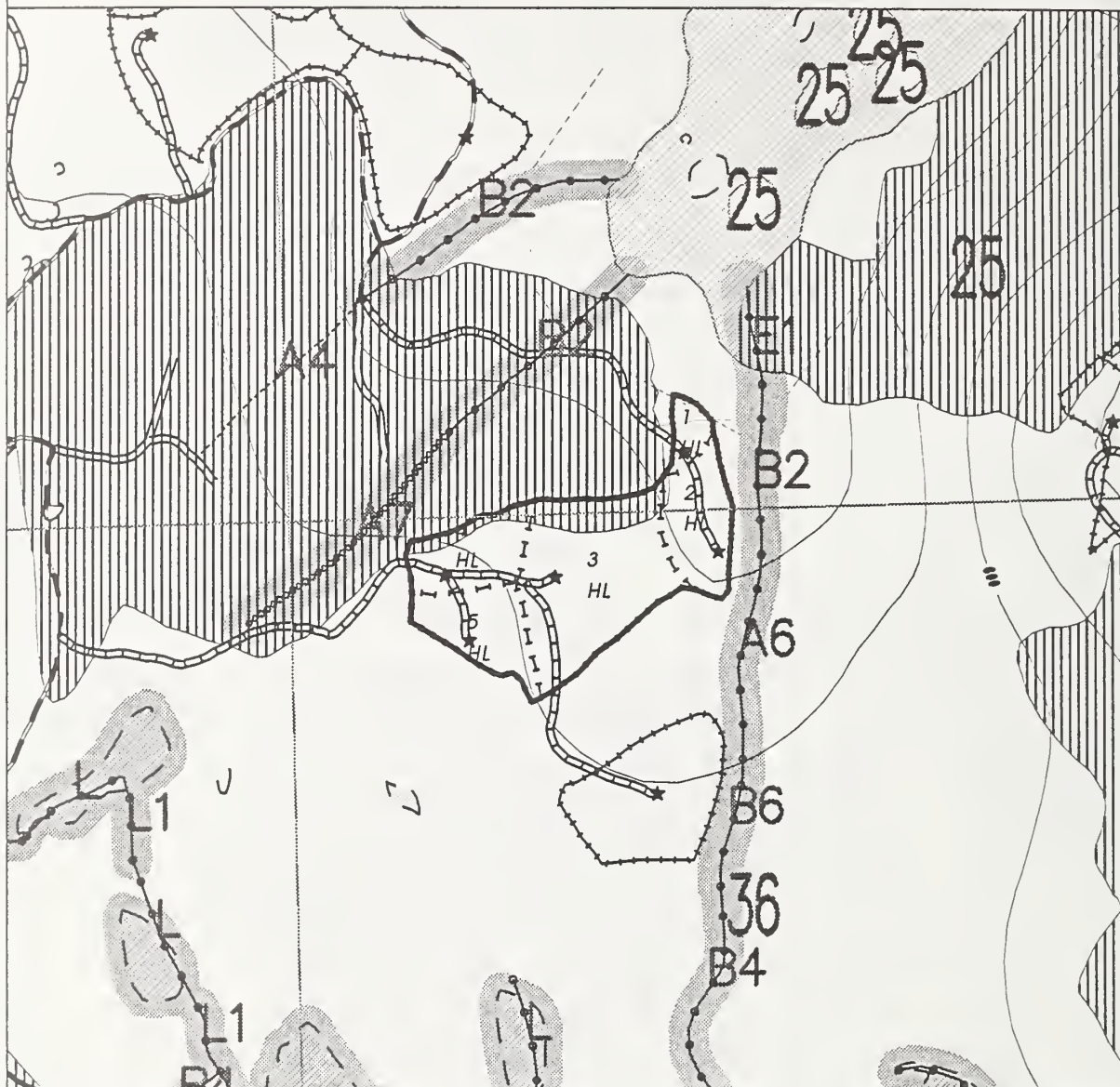
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7014

PLANNED HARVEST UNIT MAP

ACRES: 37 VOLUME: 1161 MBP QUAD(s): KTMS QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-16 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (circle with cross)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7015</u>	No. Settings <u>1</u>	Alternatives considered <u>2 3 4 5 6</u>	VQO <u>MM</u>
Planned acres <u>13</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>408</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-16</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 13 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 13 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 13 acres Medium 0 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 13 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 13 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 12 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B6 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

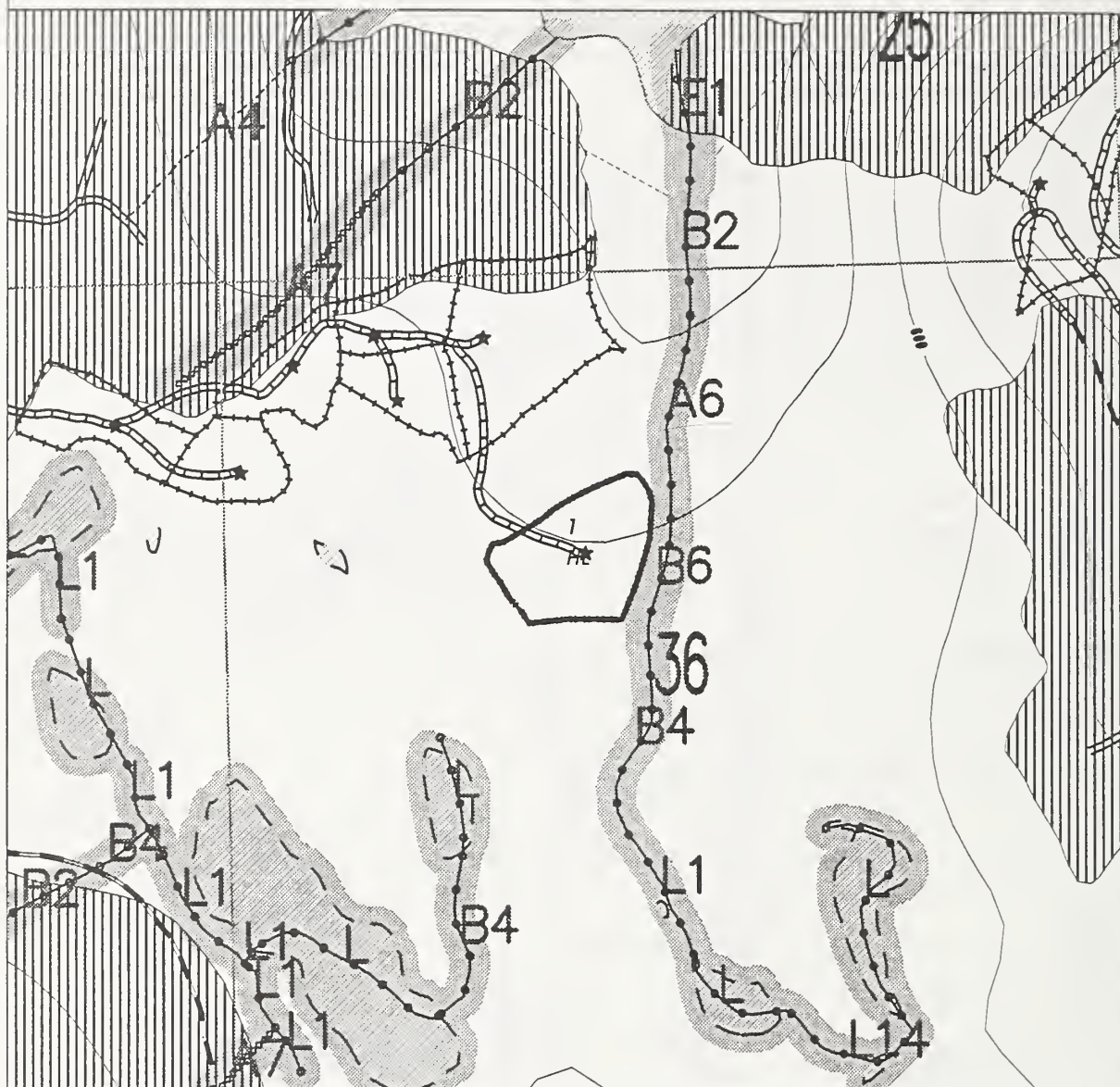
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7015

PLANNED HARVEST UNIT MAP

ACRES: 13 VOLUME: 408 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-16 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

LOGGING SYSTEMS:

HL HIGHLEAD

LANDING ★

EAGLE TREE (circle with a cross)

EXISTING CLEARCUT (dashed line)

SALTWATER AND LAKES (wavy line)

CLASS I & II STREAM BUFFER (shaded area)

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7016</u>	No. Settings <u>2</u>	Alternatives considered <u>2 3 4 5 6</u>	VQO <u>PR</u>
Planned acres <u>18</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>566</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHM</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-18</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 18 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 18 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 4 acres Medium 3 acres High 11 acres Very High 0 acres
Cedar 0 Hemlock 15 Mixed 3 Percent Seen 0.84 Percent Unseen 0.16 Aspect West

SOILS

This unit has 18 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 3 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

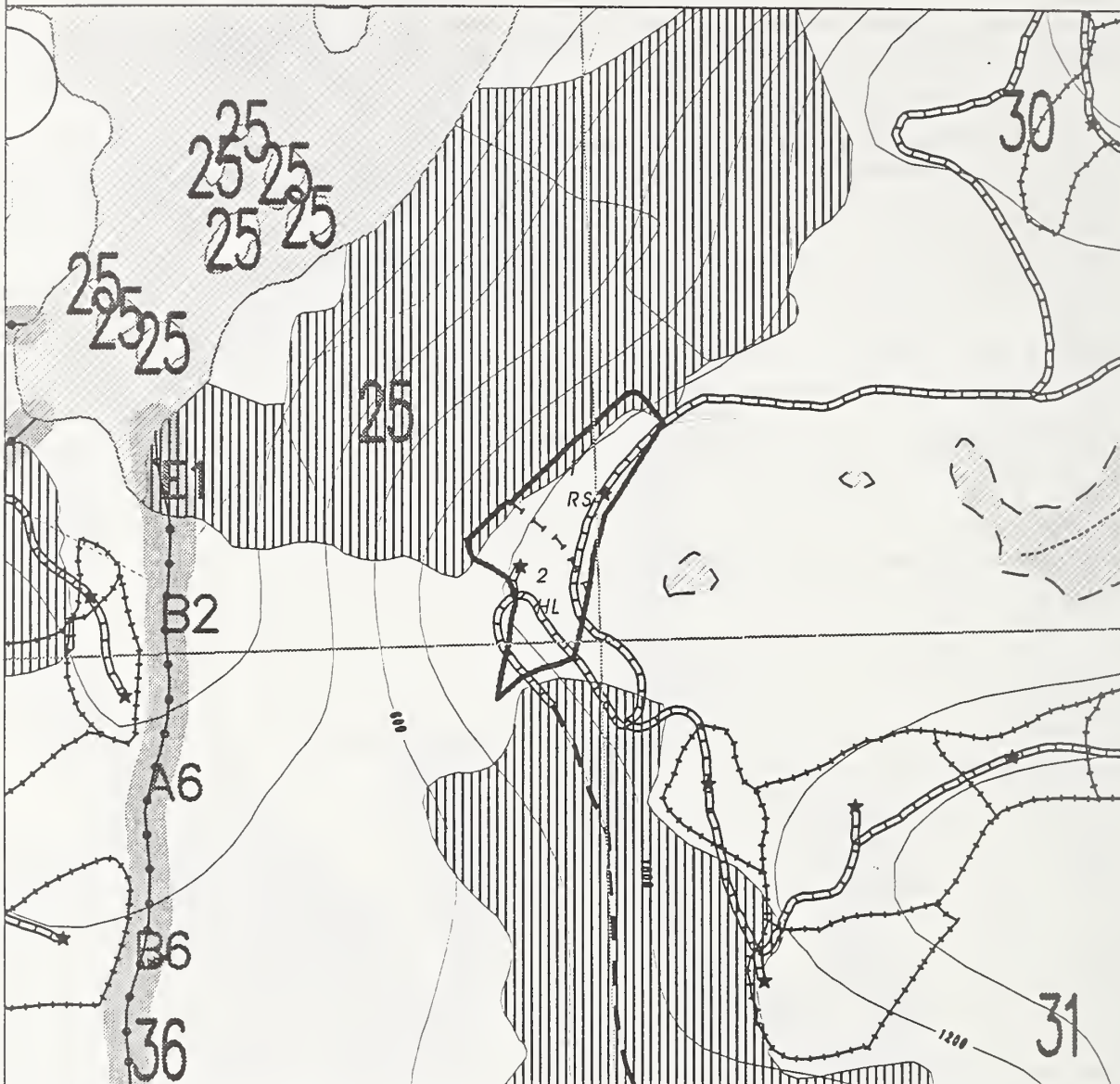
NORTH REYILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7016

PLANNED HARVEST UNIT MAP

ACRES: 18 VOLUME: 566 MBP QUAD(s): KTND5 QUARTER QUAD(s): SVS
 PHOTO NUM.: 1179-18 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (tree symbol)
 EXISTING CLEARCUT (hatched box)
 SALTWATER AND LAKES (wavy line)
 CLASS I & II STREAM BUFFER (shaded box)

LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7017</u>	No. Settings <u>5</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>70</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2642</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-18</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 24 acres VC6 46 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 23 acres 1200-1500 ft. 36 acres over 1500 ft. 10 acres
Mass movement index: Low 4 acres Medium 4 acres High 62 acres Very High 0 acres
Cedar 0 Hemlock 70 Mixed 0 Percent Seen 0.05 Percent Unseen 0.95 Aspect West

SOILS

This unit has 69 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 27 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 29 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Replanting of yellow cedar should be considered.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.42 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

VCU: 7370 UNIT NUMBER: 7017

ACRES: 70 VOLUME: 2642 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-18 LANDNET INFO TOWNSHIP 70S RANGER 91R

A topographic map showing a mountainous region. The map features contour lines indicating elevation, with labels for 1200 and 1400 feet. A large, irregularly shaped area is shaded with vertical lines, representing a forested or protected area. A prominent ridge or mountain range runs diagonally across the map. Several points are marked with stars and numbered 1 through 5. A dashed line labeled 'L' is visible in the upper right. A solid line labeled 'RS' is located near the center. The number '31' is printed in a large font in the lower right. The letters 'AB' are in the top right corner. The map also shows a network of roads or trails, some of which are marked with stars.

114

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7018</u>	No. Settings <u>3</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>M</u>
Planned acres <u>39</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1336</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>RS</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 2 acres VC5 24 acres VC6 13 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 8 acres over 1500 ft. 31 acres
Mass movement index: Low 1 acres Medium 0 acres High 38 acres Very High 0 acres
Cedar 0 Hemlock 39 Mixed 0 Percent Seen 0.06 Percent Unseen 0.94 Aspect North

SOILS

This unit has 39 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 7 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 19 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Replanting of yellow cedar should be considered.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.52 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

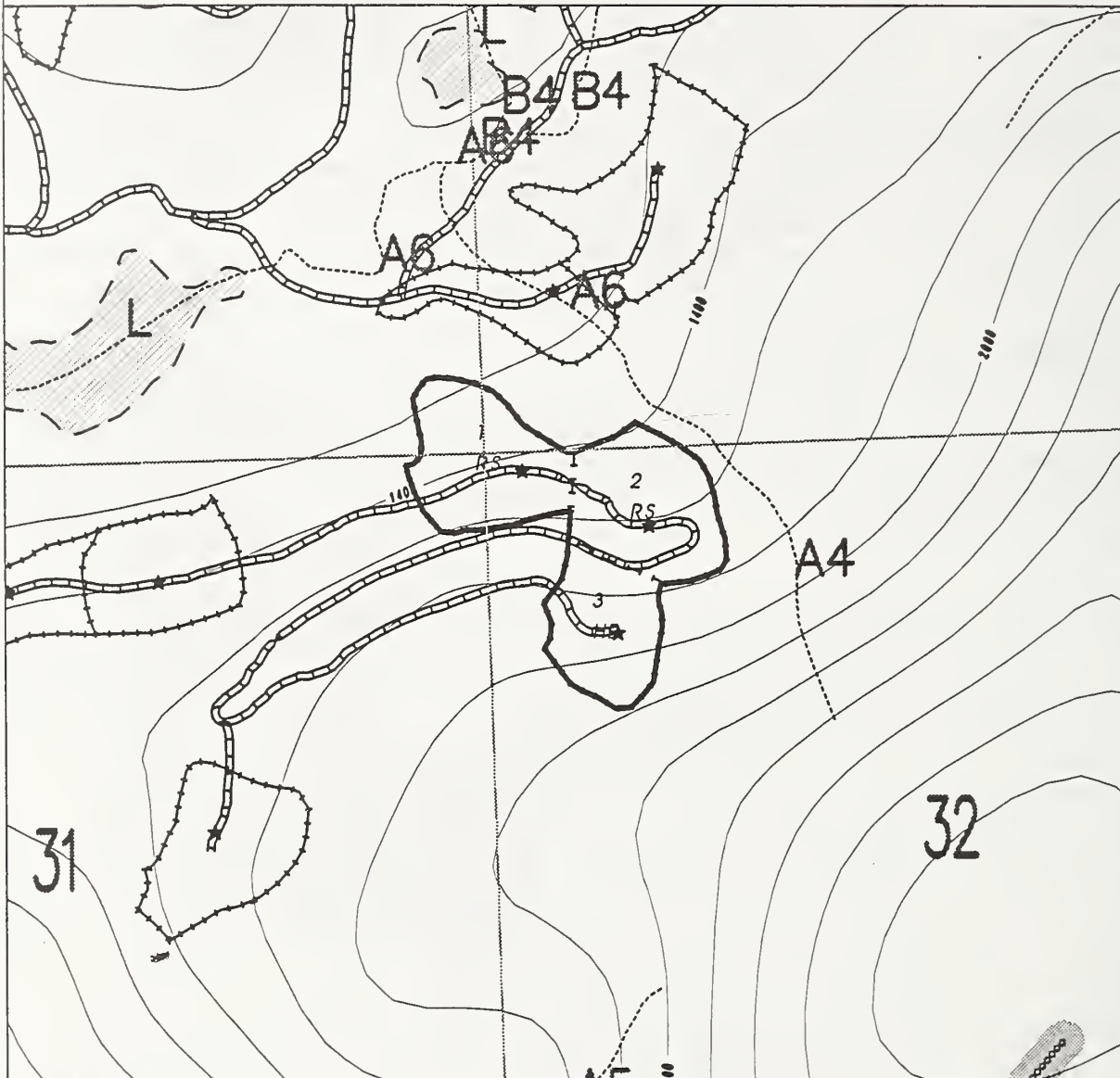
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7018

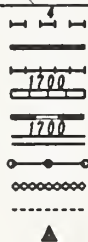
PLANNED HARVEST UNIT MAP

ACRES: 39 VOLUME: 1336 MBP QUAO(s): KTND5 QUARTER QUAO(s): SES/SWS
 PHOTO NUM.: 1279-10 LANDMET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

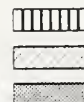
LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HE HELICOPTER



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7019</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>30</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>813</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 20 acres VC5 10 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 16 acres 1200-1500 ft. 13 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 17 acres High 13 acres Very High 0 acres
Cedar 0 Hemlock 30 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 29 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.13 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

This unit contains a A6 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

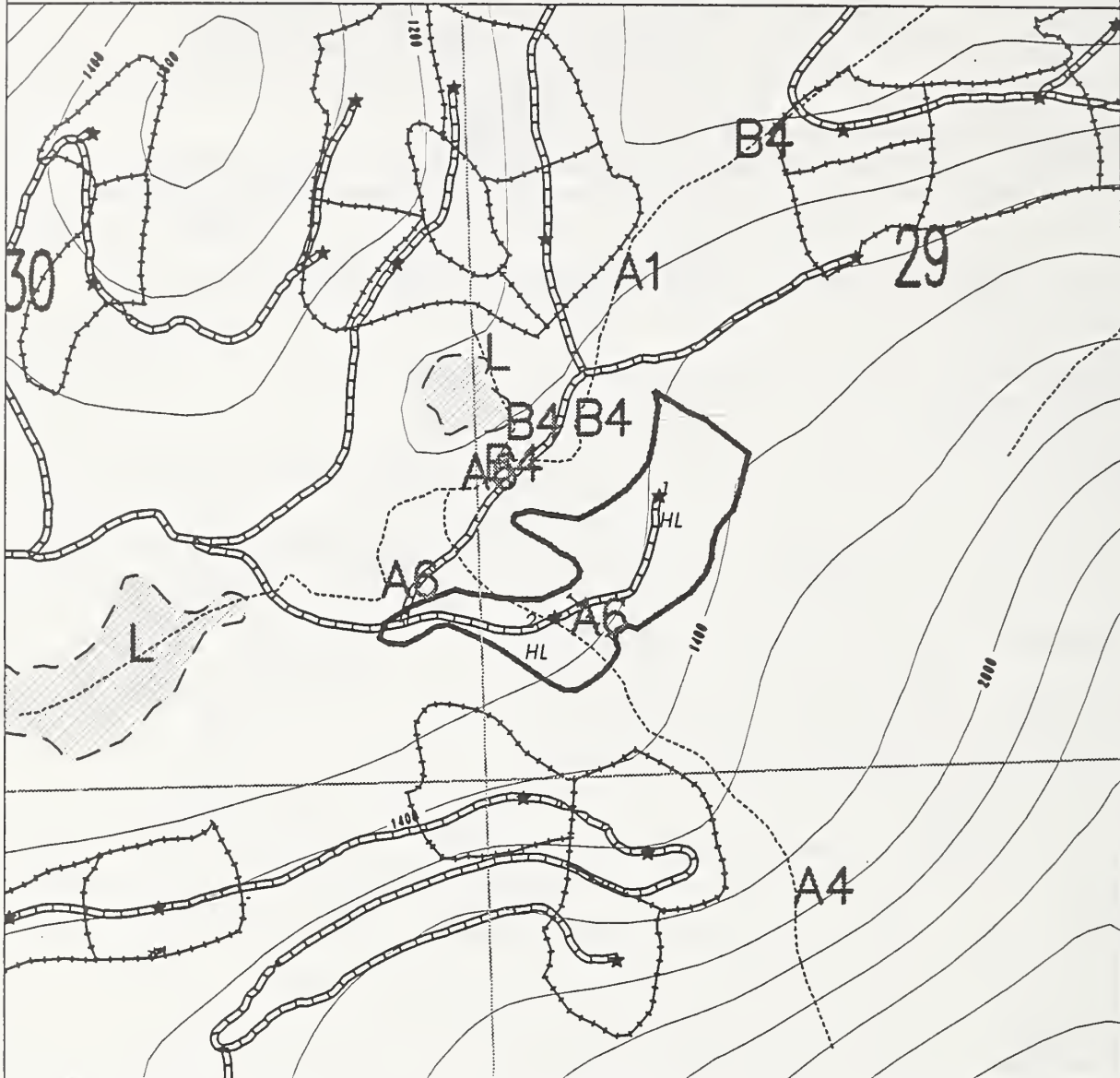
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7019

PLANNED HARVEST UNIT MAP

ACRES: 30 VOLUME: 813 MBP QUAD(s): KTND5 QUARTER QUAD(s): S6S/SVS
 PHOTO NUM.: 1279-10 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7020</u>	No. Settings <u>2</u>	Alternatives considered <u>2 3 4 5 6</u>	VQO <u>PR</u>
Planned acres <u>18</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>462</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WDC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-18</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 16 acres VC5 2 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 2 acres 1200-1500 ft. 12 acres over 1500 ft. 4 acres
Mass movement index: Low 2 acres Medium 0 acres High 16 acres Very High 0 acres
Cedar 0 Hemlock 16 Mixed 2 Percent Seen 0.38 Percent Unseen 0.62 Aspect West

SOILS

This unit has 18 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 8 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

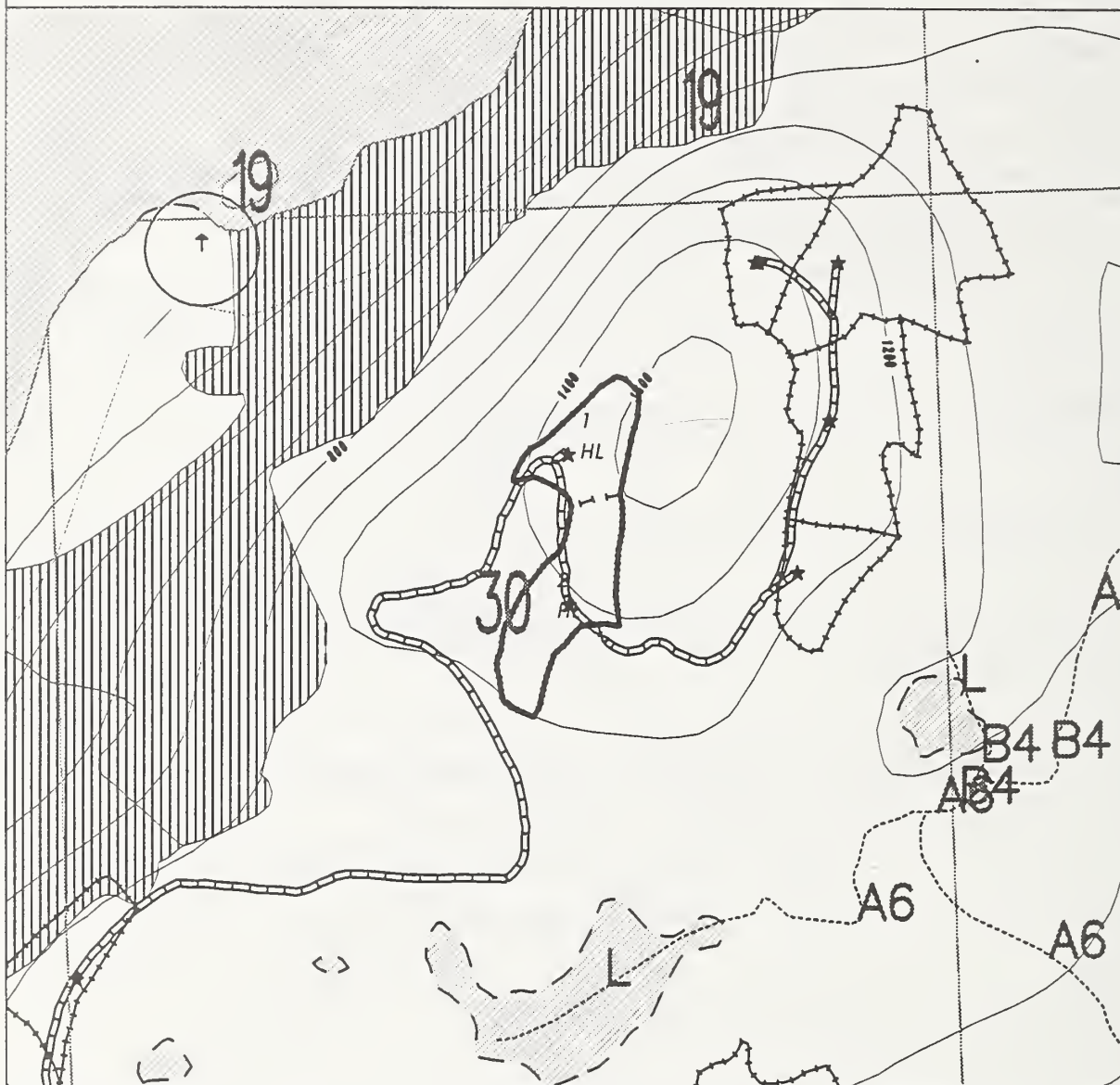
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7020

PLANNED HARVEST UNIT MAP

ACRES: 18 VOLUME: 462 MBF QUAD(s): KTNDS QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-18 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7021</u>	No. Settings <u>5</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>59</u>	Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>	
Estimated volume (mbf) <u>1845</u>	Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>	
Logging methods <u>HL</u> <u>RS</u>	WAA <u>510</u>	Forest type <u>Hemlock</u>	
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1279-10</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 1 acres VC5 58 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 39 acres 1200-1500 ft. 20 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 59 acres Very High 0 acres
Cedar 0 Hemlock 59 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect East

SOILS

This unit has 59 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 28 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 1 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a B4 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.
Oversteepened slopes may require full bench construction on 0.04 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

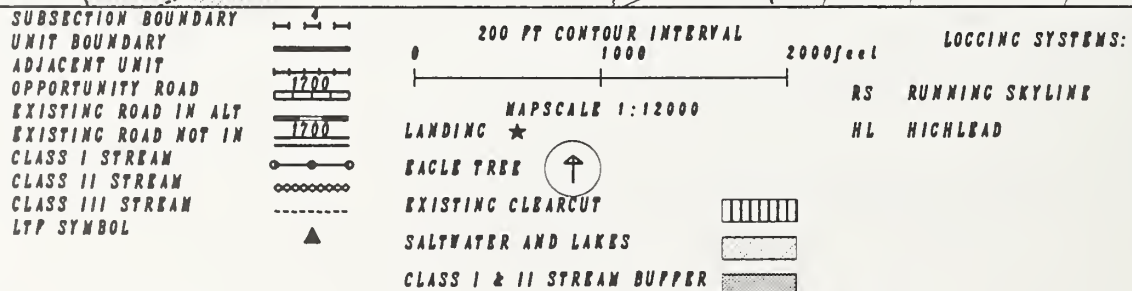
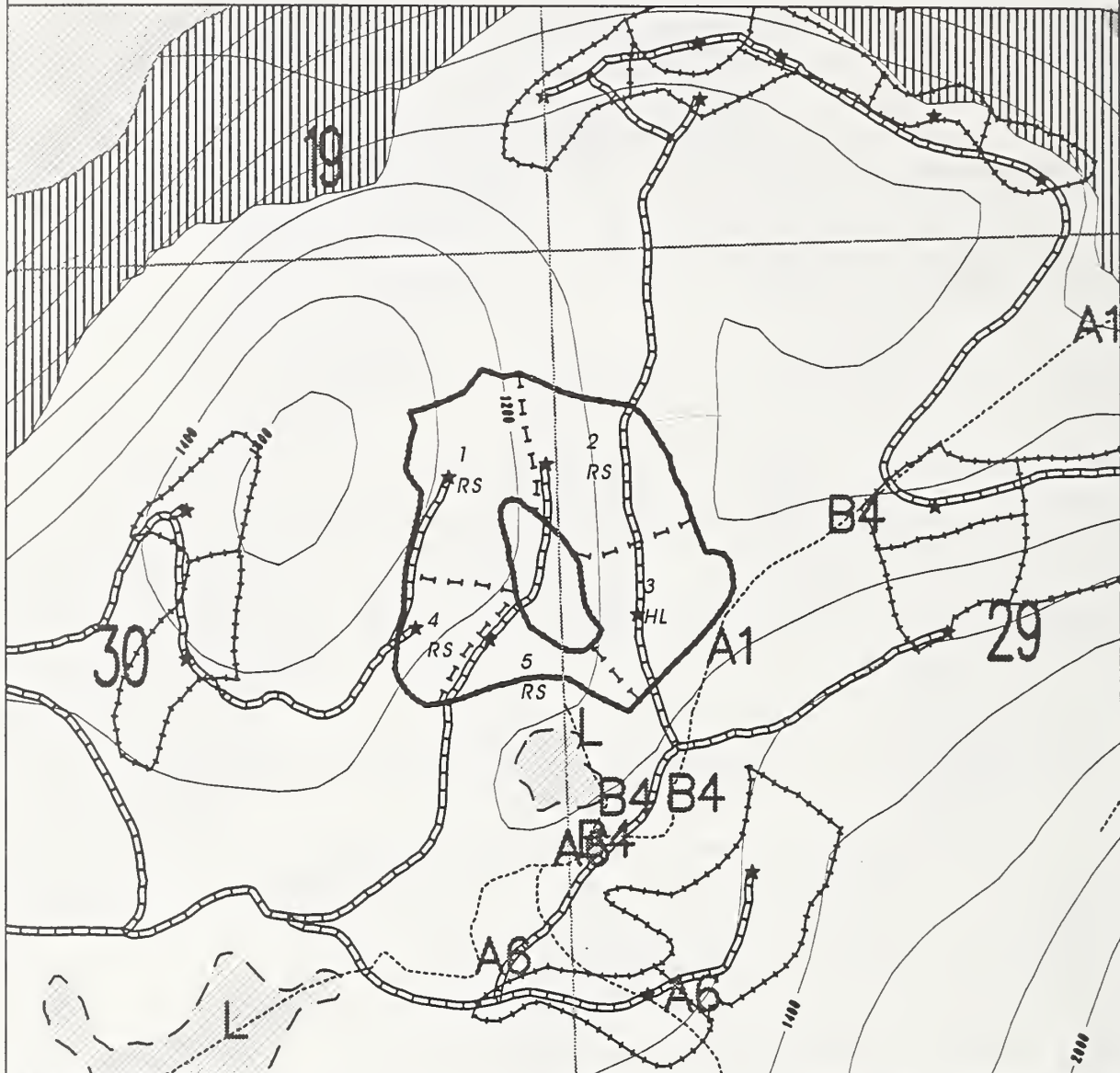
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7021

PLANNED HARVEST UNIT MAP

ACRES: 59 VOLUME: 1845 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1279-10 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7022</u>	No. Settings <u>6</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>32</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>799</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCS</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-11</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 32 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 19 acres 800-1200 ft. 13 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 24 acres High 8 acres Very High 0 acres
Cedar 0 Hemlock 26 Mixed 6 Percent Seen 0.99 Percent Unseen 0.01 Aspect North

SOILS

This unit has 32 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 14 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 5 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7022

PLANNED HARVEST UNIT MAP

ACRES: 32 VOLUME: 799 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES/SVS
 PHOTO NUM.: 1279-11 LANDNET INFO TOWNSHIP 20S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 HL HIGH LEAD



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7023</u>	No. Settings <u>6</u>	Alternatives considered <u>2</u>	VQO <u>M</u>
Planned acres <u>74</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2323</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCS</u>
Logging methods <u>HL SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 74 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 4 acres 800-1200 ft. 64 acres 1200-1500 ft. 6 acres over 1500 ft. 0 acres
Mass movement index: Low 7 acres Medium 1 acres High 66 acres Very High 0 acres
Cedar 0 Hemlock 74 Mixed 0 Percent Seen 0.34 Percent Unseen 0.66 Aspect North

SOILS

This unit has 74 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 6 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 60 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

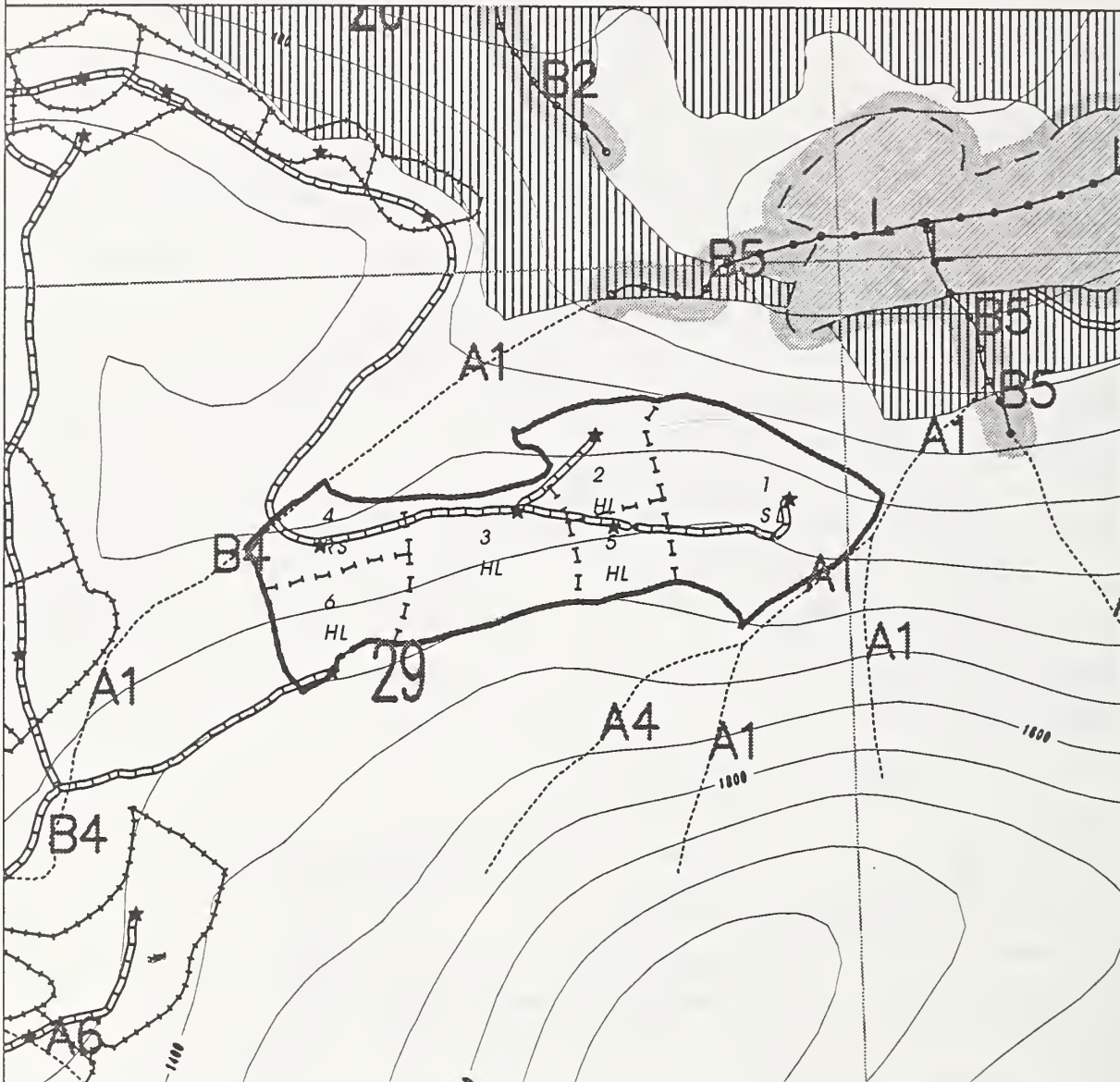
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7023

PLANNED HARVEST UNIT MAP

ACRES: 74 VOLUME: 2323 MBF QUAD(s): KTNDS QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-10 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

BACLE TREE (upward arrow symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

SL SLACKLINE
 HL HIGHLEAD
 RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7024</u>	No. Settings <u>3</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>26</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>815</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-34</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 26 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 12 acres 1200-1500 ft. 13 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 26 acres Very High 0 acres
Cedar 0 Hemlock 26 Mixed 0 Percent Seen 0.09 Percent Unseen 0.91 Aspect North

SOILS

This unit has 25 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 24 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7025</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>20</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>532</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>MHB</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-34</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 15 acres VC5 5 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 20 acres
Mass movement index: Low 0 acres Medium 0 acres High 0 acres Very High 20 acres
Cedar 0 Hemlock 15 Mixed 5 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 20 acres that may require partial or full suspension (BMP 13.9)
This unit has very high mass movement index soils.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 12 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 20 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

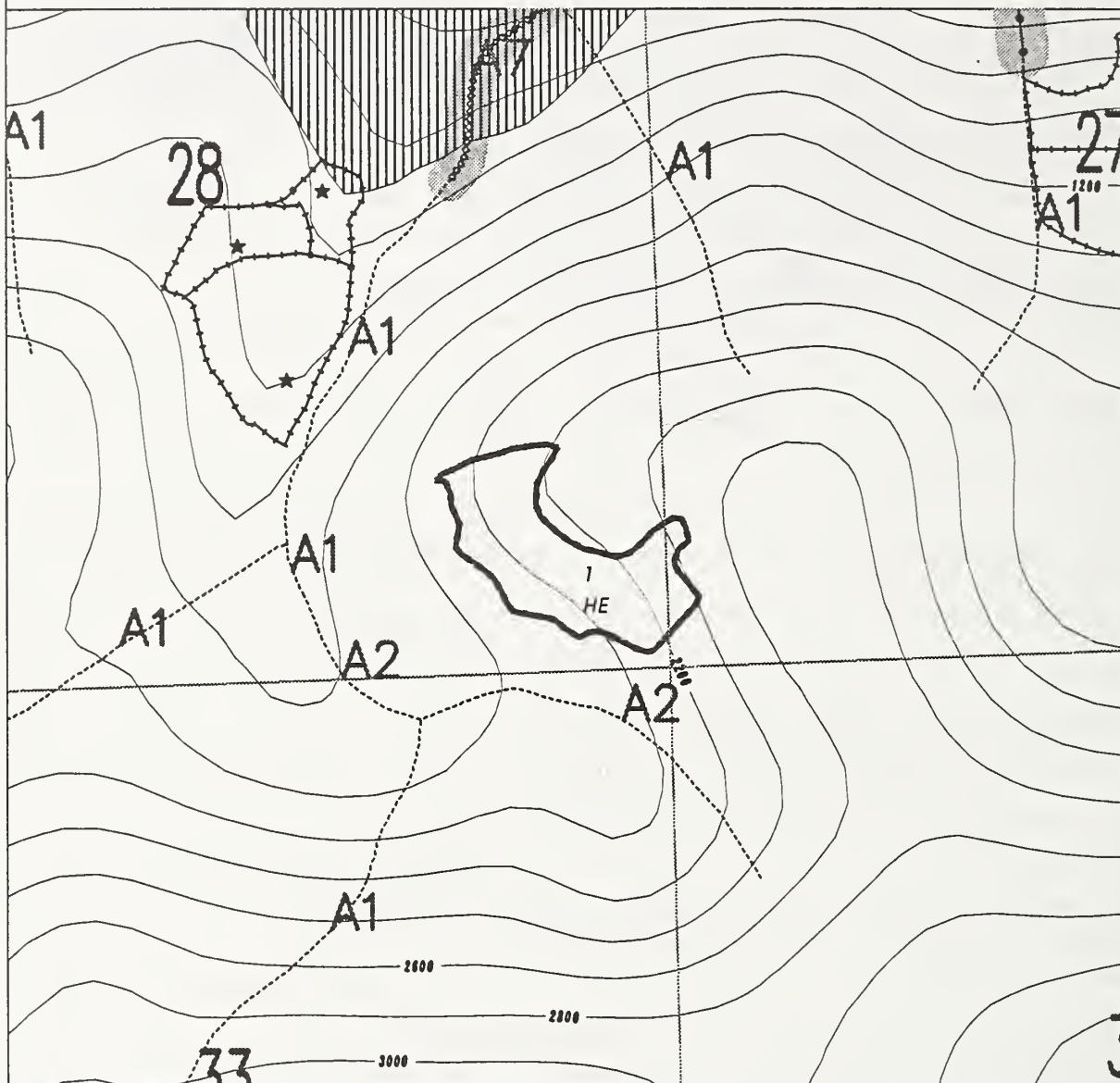
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7025

PLANNED HARVEST UNIT MAP

ACRES: 20 VOLUME: 532 MBF QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-34 LANDMET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7026</u>	No. Settings <u>3</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>69</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2165</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-57</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 69 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 4 acres 800-1200 ft. 42 acres 1200-1500 ft. 21 acres over 1500 ft. 2 acres
Mass movement index: Low 0 acres Medium 0 acres High 69 acres Very High 0 acres
Cedar 0 Hemlock 69 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 69 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 67 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

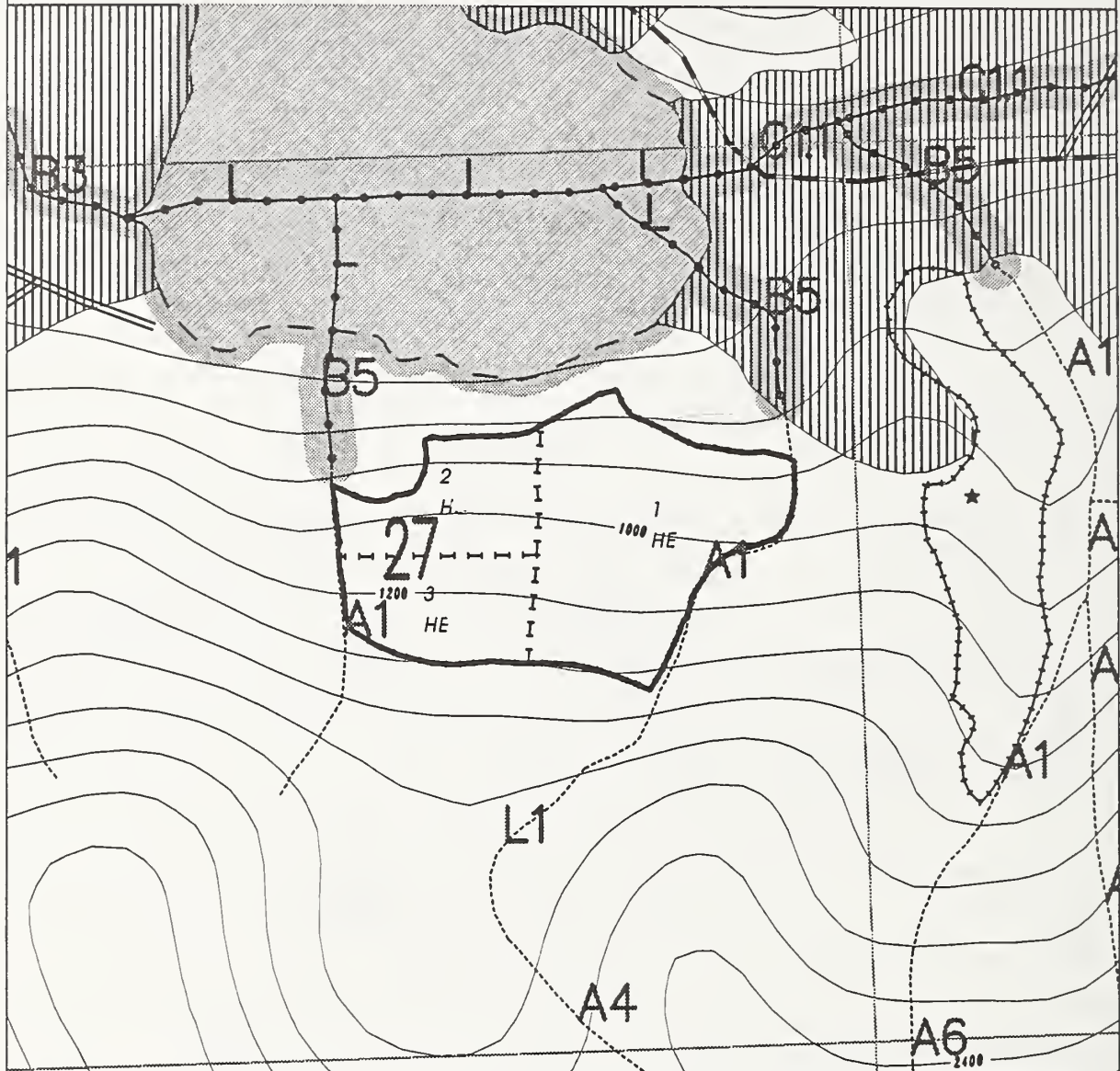
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7026

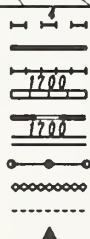
PLANNED HARVEST UNIT MAP

ACRES: 69 VOLUME: 2165 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-57 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

BACLE TREE (⊕)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7027</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>35</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1098</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-57</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 35 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 11 acres 800-1200 ft. 15 acres 1200-1500 ft. 8 acres over 1500 ft. 1 acres
Mass movement index: Low 0 acres Medium 0 acres High 35 acres Very High 0 acres
Cedar 0 Hemlock 33 Mixed 2 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 35 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 31 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit is immediately adjacent to a B5 stream. No harvest within active fan or 100 feet of stream.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7028</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>14</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>439</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-84</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 14 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 5 acres 1200-1500 ft. 9 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 0 acres High 14 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 14 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 13 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 13 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

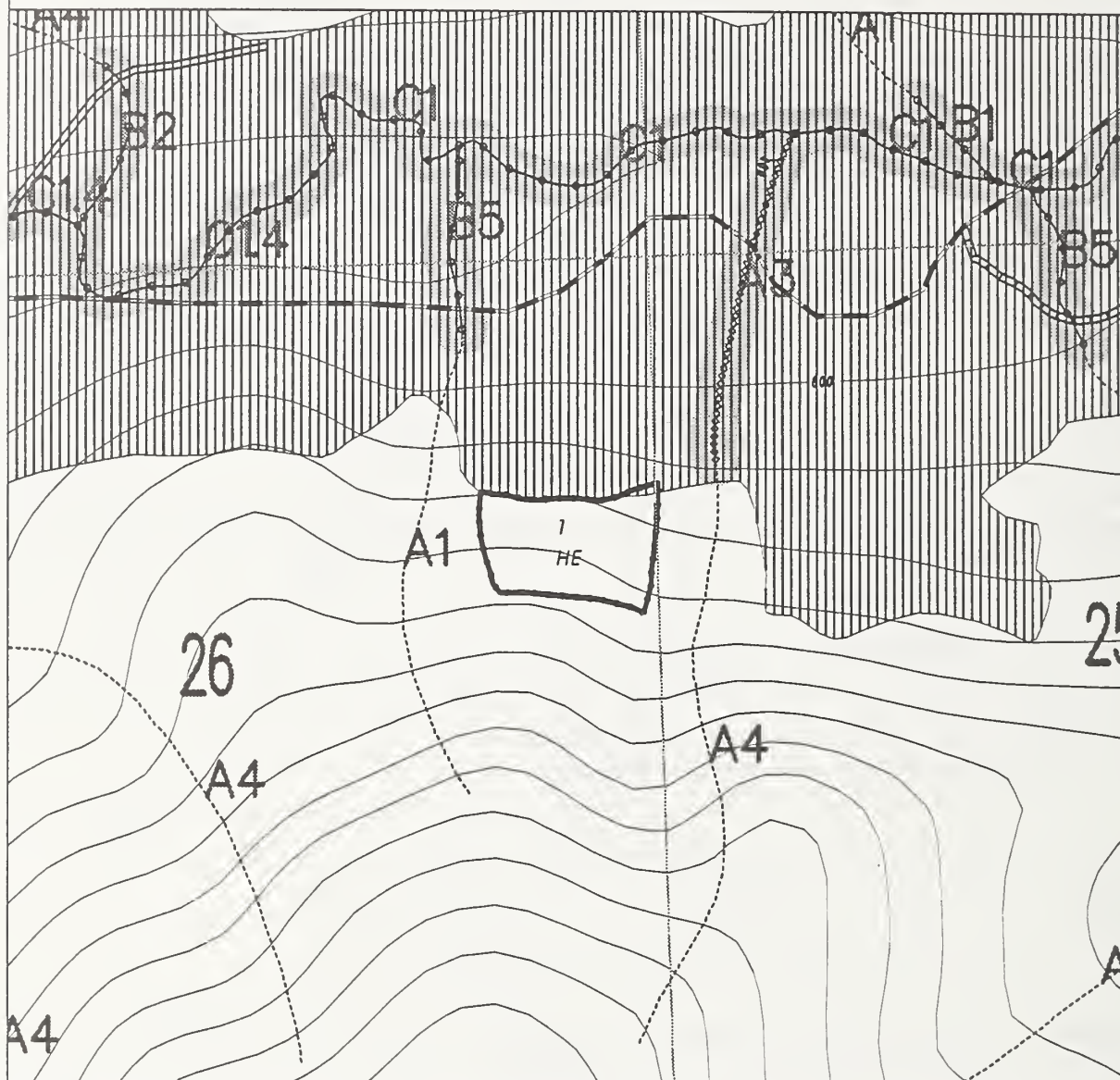
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7028

PLANNED HARVEST UNIT MAP

ACRES: 14 VOLUME: 439 MBF QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1278-84 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



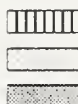
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7029</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>17</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>490</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-84</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 7 acres VC5 10 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 11 acres 1200-1500 ft. 6 acres over 1500 ft. 0 acres
Mass movement index: Low 5 acres Medium 0 acres High 12 acres Very High 0 acres
Cedar 0 Hemlock 7 Mixed 10 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 17 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 12 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

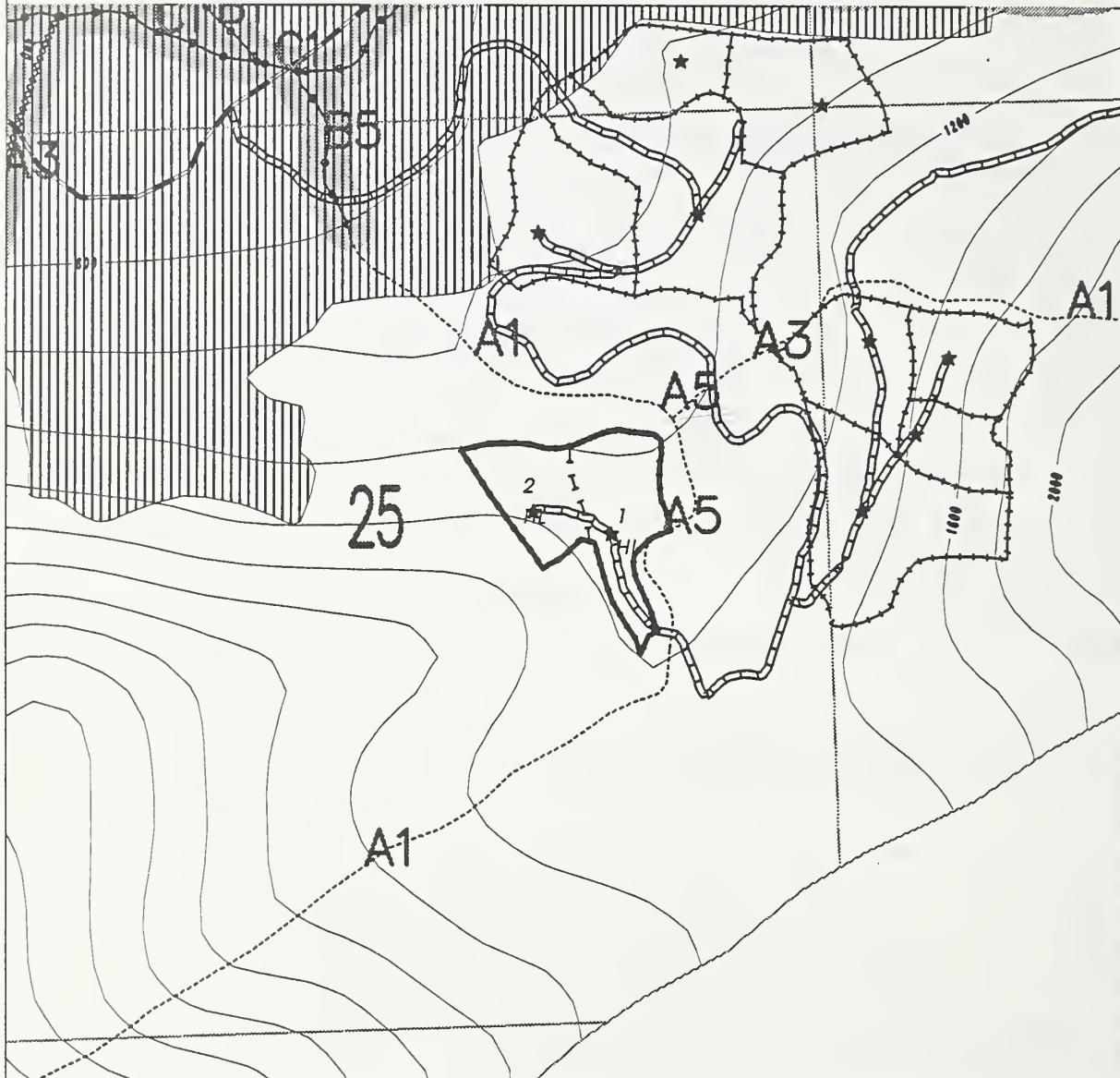
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7029

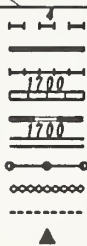
PLANNED HARVEST UNIT MAP

ACRES: 17 VOLUME: 490 MBF QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1278-84 LANDNET INFO TOWNSHIP 703 RANGE 81R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:
 HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7030</u>	No. Settings <u>4</u>	Alternatives considered <u>2 4</u>	VQO <u>MM</u>
Planned acres <u>44</u>	Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>	
Estimated volume (mbf) <u>1285</u>	Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>	
Logging methods <u>HL SL</u>	WAA <u>510</u>	Forest type <u>Hemlock</u>	
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1279-10</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 15 acres VC5 29 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 7 acres 1200-1500 ft. 27 acres over 1500 ft. 10 acres
Mass movement index: Low 0 acres Medium 0 acres High 44 acres Very High 0 acres
Cedar 0 Hemlock 44 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 44 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 36 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.56 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

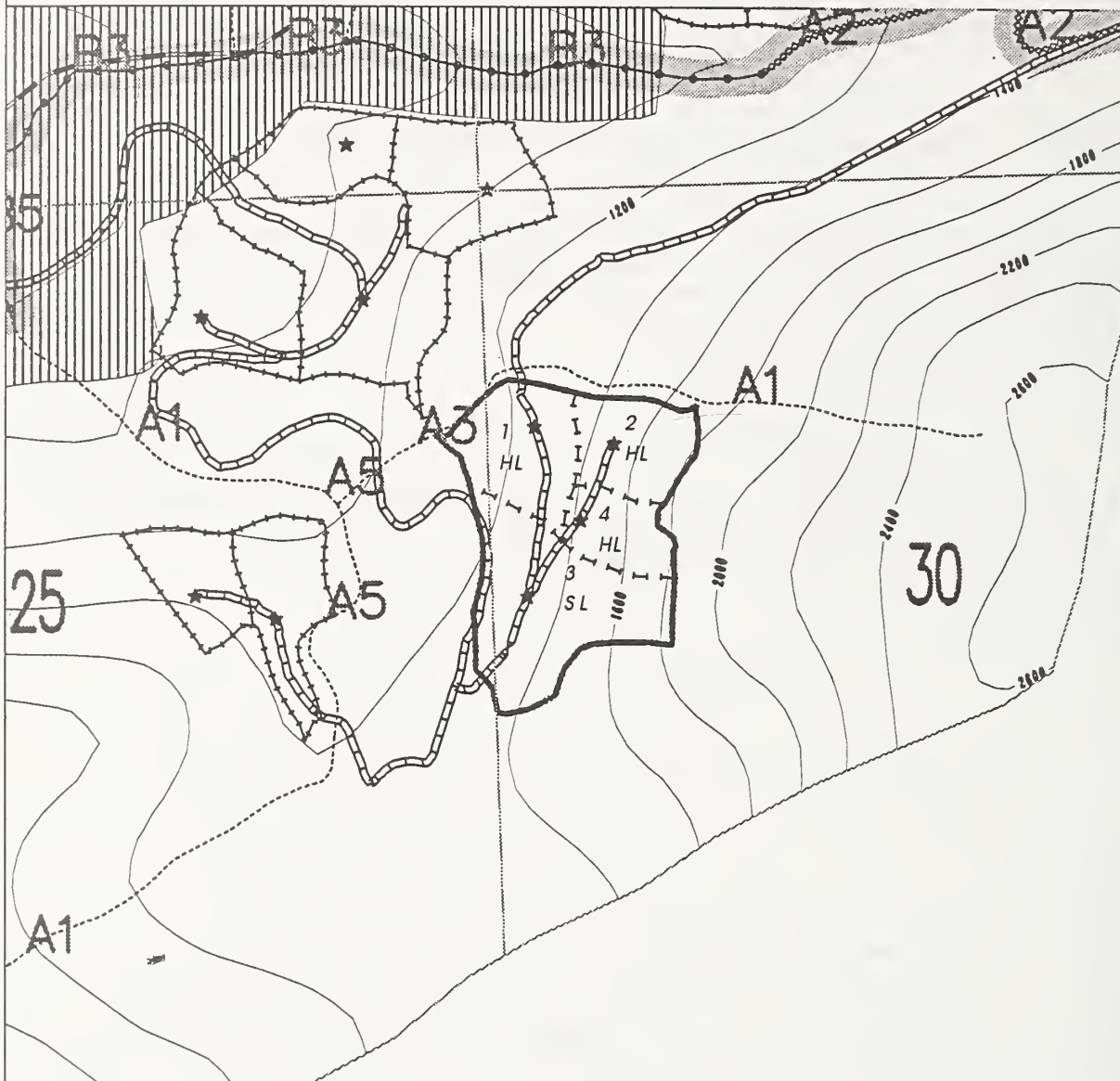
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7030

PLANNED HARVEST UNIT MAP

ACRES: 44 VOLUME: 1285 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-10 LANDNET INFO TOWNSHIP 70S RANGE 92R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



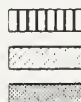
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD
 SL SLACKLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7031</u>	No. Settings <u>5</u>	Alternatives considered <u>2 4 5</u>	VQO <u>MM</u>
Planned acres <u>35</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1199</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 1 acres VC5 23 acres VC6 11 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 17 acres 1200-1500 ft. 18 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 35 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 10 Mixed 25 Percent Seen 0.00 Percent Unseen 1.00 Aspect South

SOILS

This unit has 35 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a B3 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A2 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

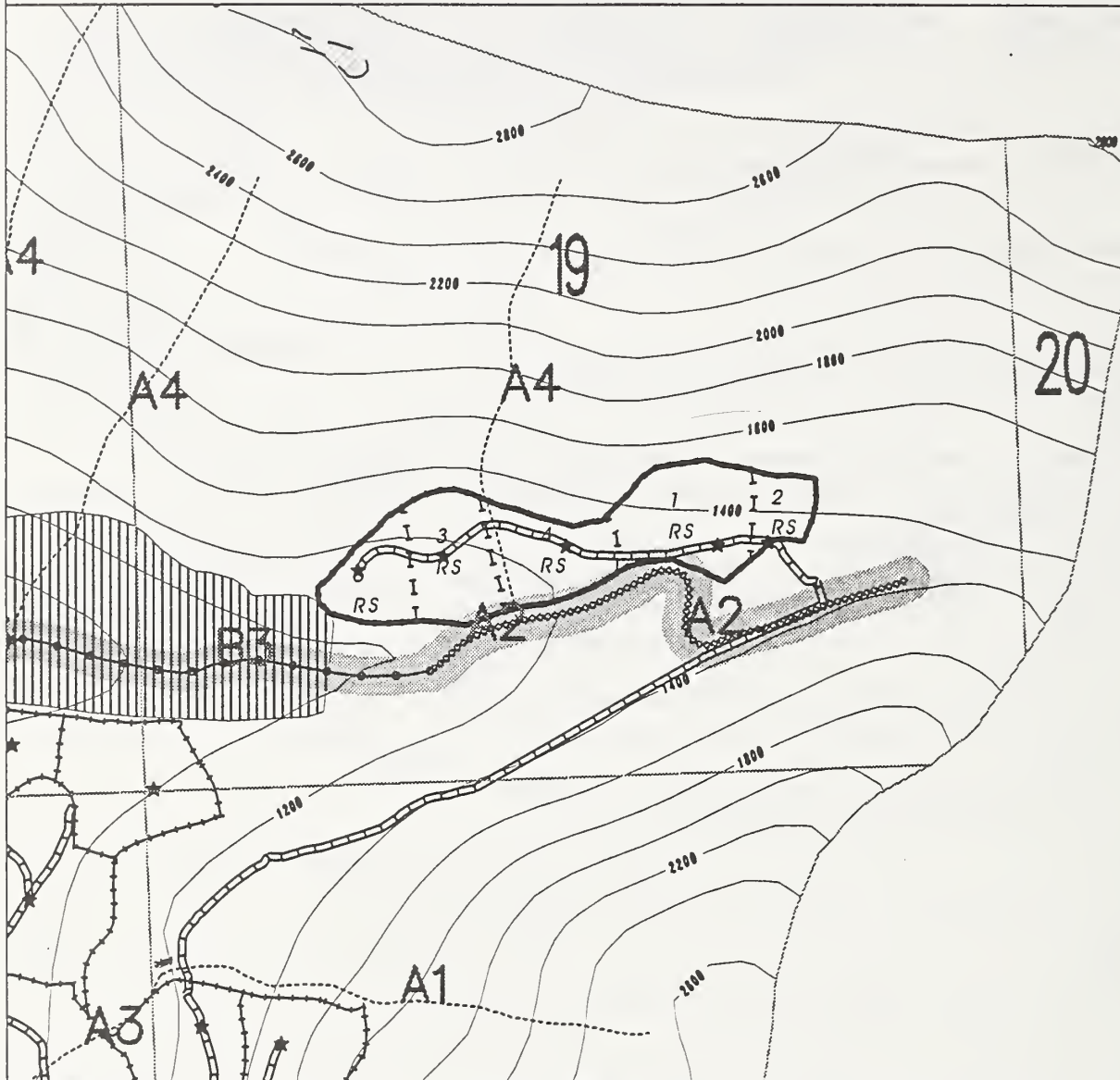
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7031

PLANNED HARVEST UNIT MAP

ACRES: 35 VOLUME: 1199 MBF QUAD(s): KTNDS QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-10 LANDNET INFO TOWNSHIP 70S RANGE 92E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



0 200 FT CONTOUR INTERVAL 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

BACLE TREE (upward arrow symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



October 10, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7032</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u> <u>5</u>	VQO <u>MM</u>
Planned acres <u>58</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1526</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 46 acres VC5 12 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 24 acres 800-1200 ft. 34 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 25 acres Medium 0 acres High 33 acres Very High 0 acres
Cedar 0 Hemlock 58 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 58 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 40 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.84 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 8 streams which have fish passage requirements, of these passes 2 have timing restrictions.
Immediately adjacent to a B3 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

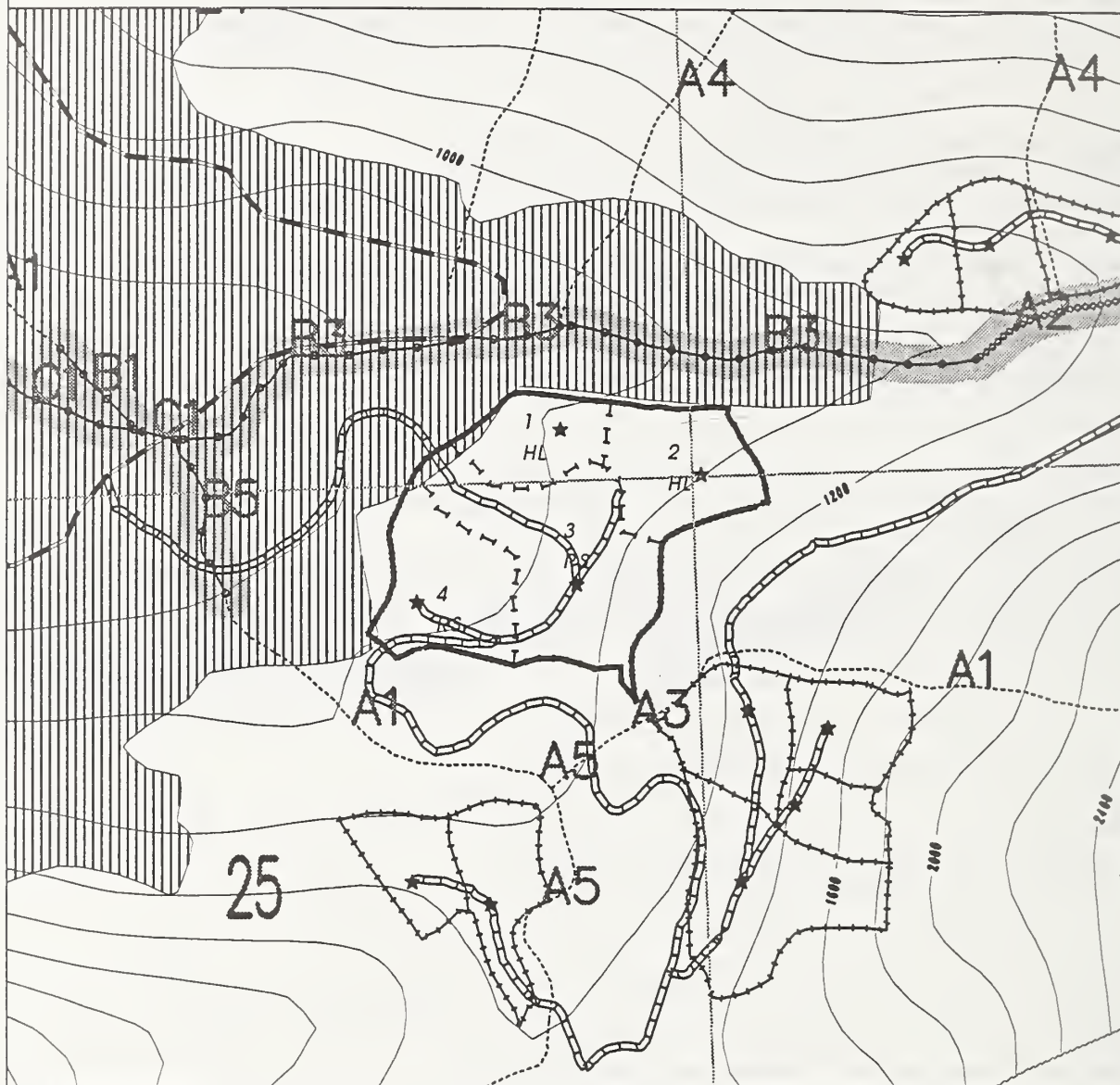
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7032

PLANNED HARVEST UNIT MAP

ACRES: 58 VOLUME: 1526 MBF QUAD(s): KTND5 QUARTER QUAD(s): SBS
 PHOTO NUM.: 1279-10 LANDNET INFO TOWNSHIP 70S RANGE 81E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN ALT
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (up arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD
 RS RUNNING SKYLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7033</u>	No. Settings <u>3</u>	Alternatives considered <u>2</u>	VQO <u>MM</u>
Planned acres <u>33</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>895</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>RS LS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-85</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 22 acres VC5 11 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 9 acres 800-1200 ft. 19 acres 1200-1500 ft. 5 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 15 acres High 18 acres Very High 0 acres
Cedar 0 Hemlock 33 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect South

SOILS

This unit has 33 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.41 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 9 streams which have fish passage requirements, of these passes 2 have timing restrictions.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

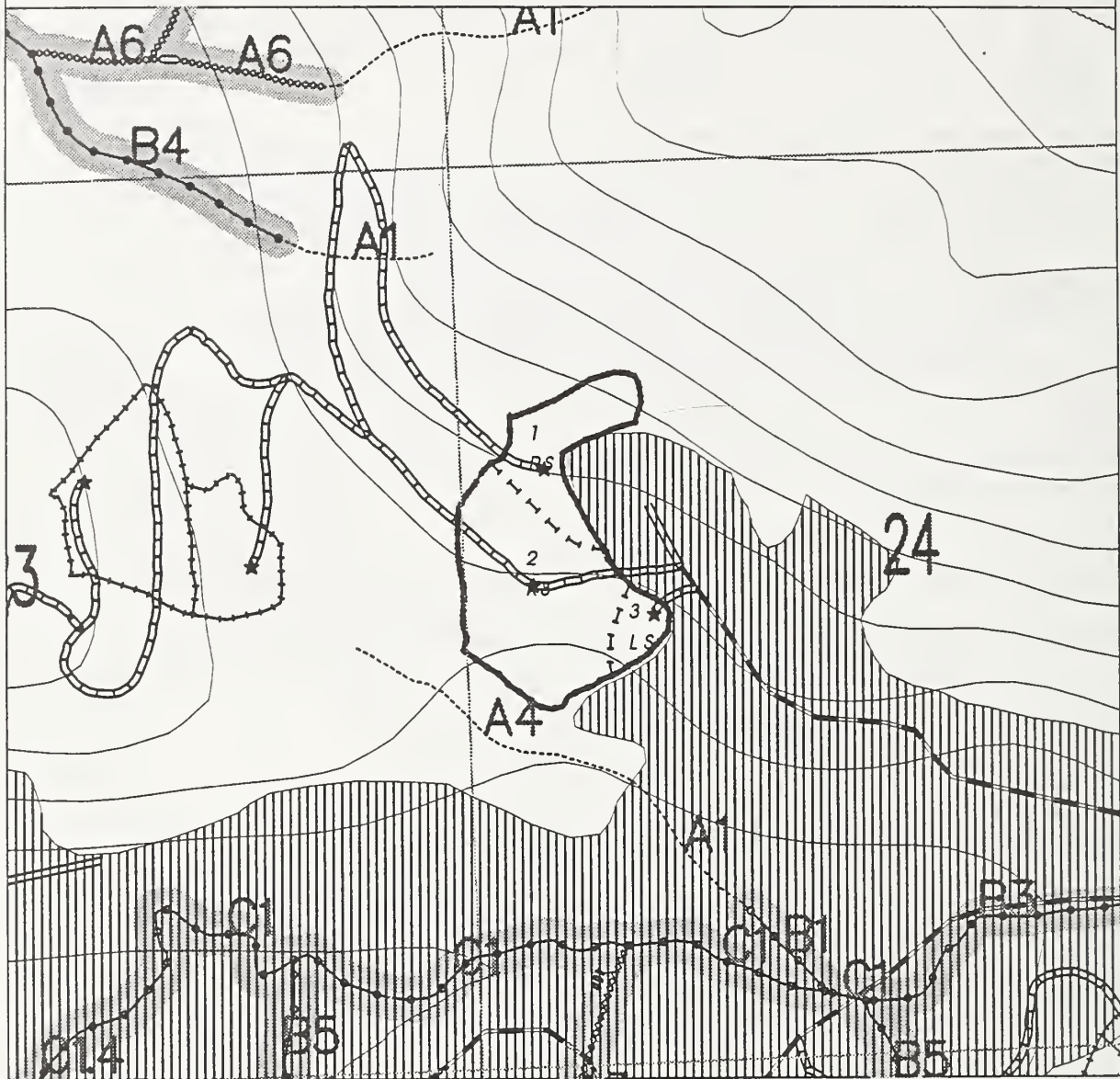
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7378 UNIT NUMBER: 7033

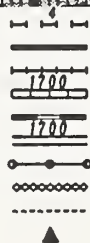
PLANNED HARVEST UNIT MAP

ACRES: 33 VOLUME: 895 MBF QUAD(s): KTMD5 QUARTER QUAD(s): SBS
 PHOTO NUM.: 1279-85 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

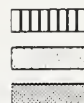
LANDING ★

BAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE
 LS LIVE SKYLINE



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7034</u>	No. Settings <u>2</u>	Alternatives considered <u>2 4 5</u>	VQO <u>MM</u>
Planned acres <u>24</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>599</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-55</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 24 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 18 acres 1200-1500 ft. 6 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 0 acres High 22 acres Very High 0 acres
Cedar 0 Hemlock 24 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect East

SOILS

This unit has 24 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 22 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Replanting of yellow cedar should be considered.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction on 0.16 miles of road
and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

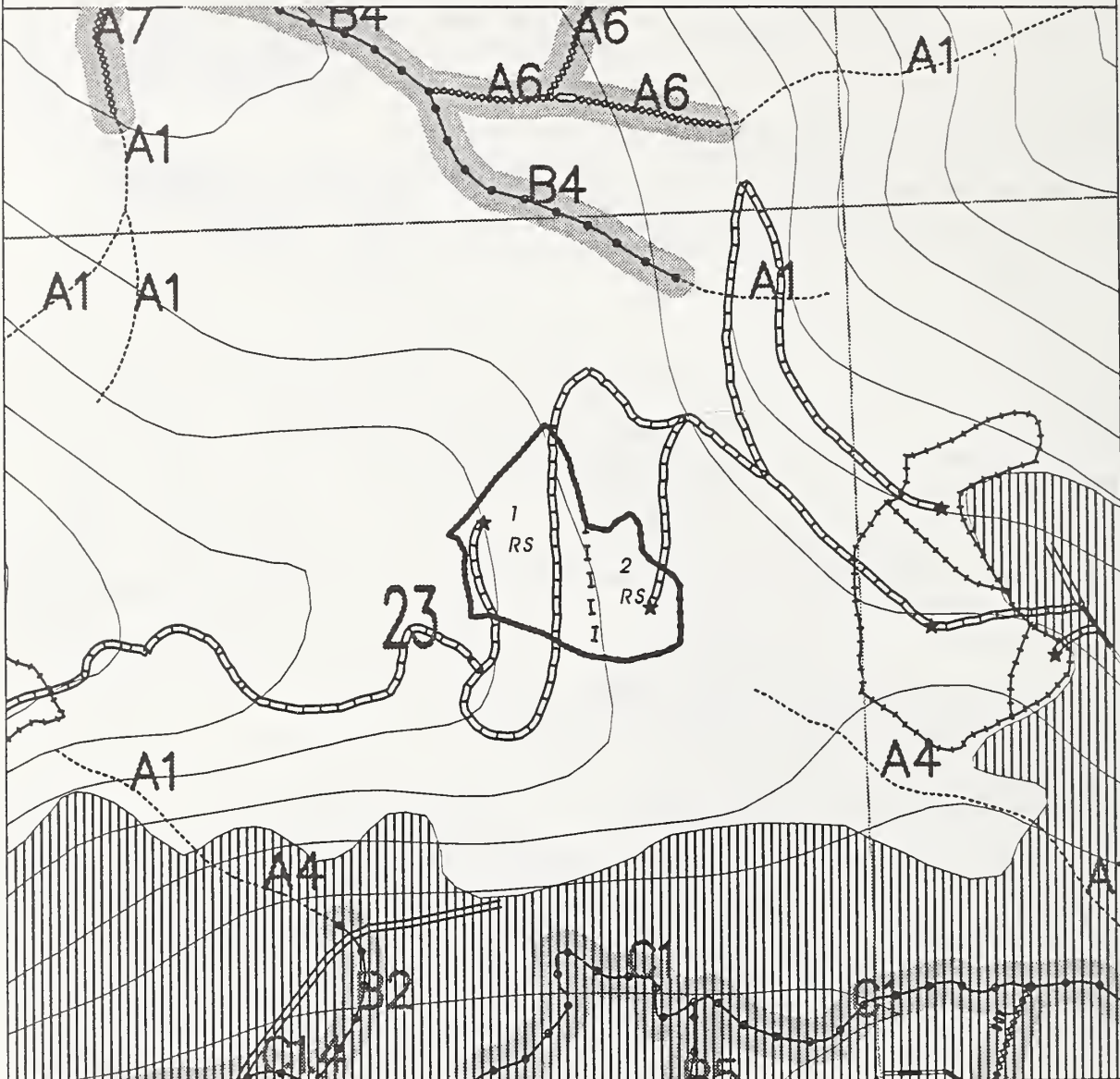
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7034

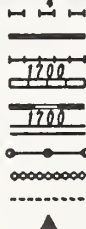
PLANNED HARVEST UNIT MAP

ACRES: 24 VOLUME: 599 MBF QUAD(s): KTMD5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-55 LANDMET INFO TOWNSHIP 703 RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000
 LANDING ★
 EAGLE TREE (up arrow)
 EXISTING CLEARCUT (vertical lines)
 SALTWATER AND LAKES (wavy lines)
 CLASS I & II STREAM BUFFER (stippled area)

LOGGING SYSTEMS:
 RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7035</u>	No. Settings <u>4</u>	Alternatives considered <u>2</u> <u>4</u>	VQO <u>M</u>
Planned acres <u>32</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>812</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-56</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 30 acres VC5 2 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 4 acres over 1500 ft. 28 acres
Mass movement index: Low 0 acres Medium 0 acres High 32 acres Very High 0 acres
Cedar 0 Hemlock 30 Mixed 2 Percent Seen 0.64 Percent Unseen 0.36 Aspect South

SOILS

This unit has 32 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 31 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 1.91 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

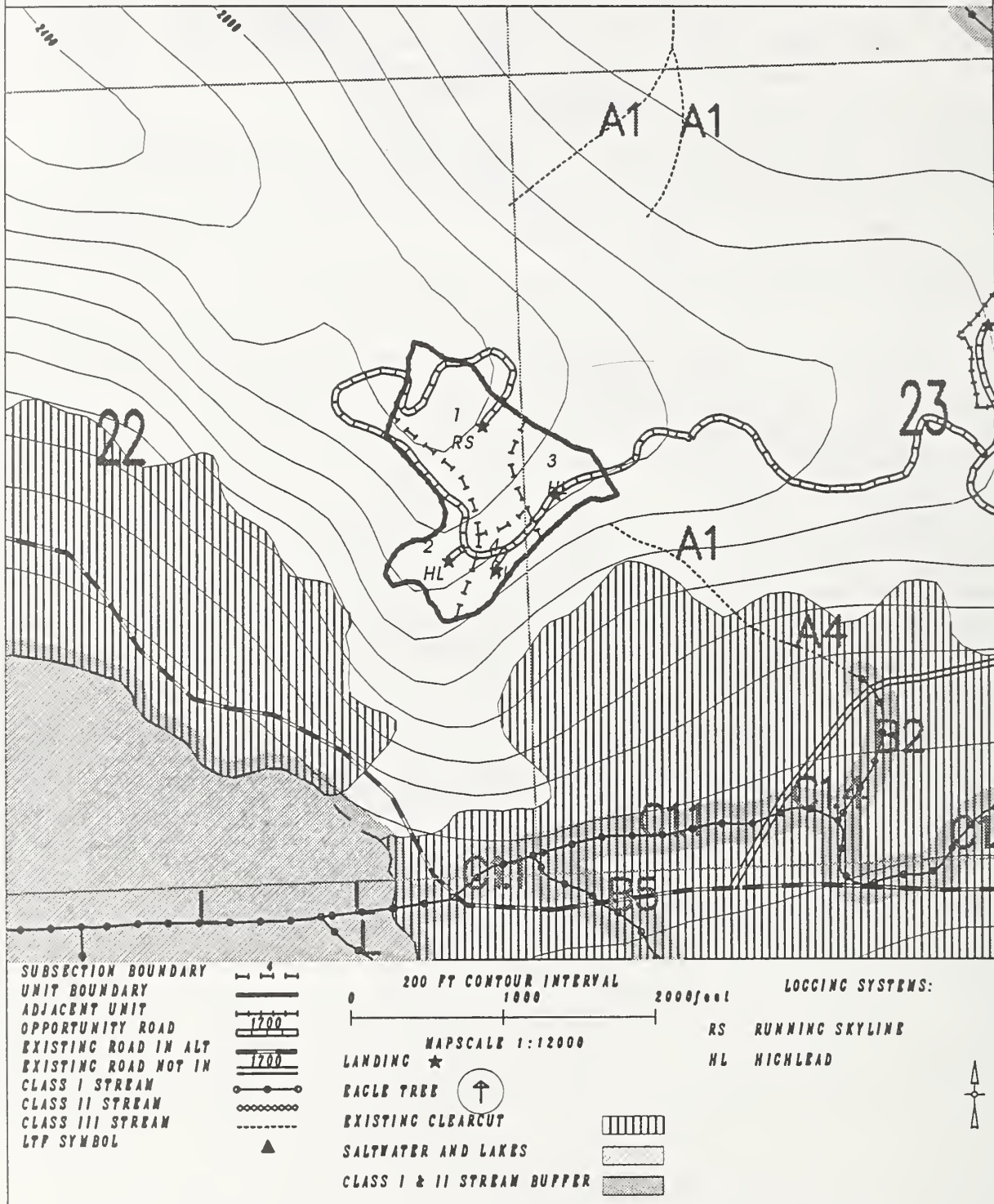
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7035

PLANNED HARVEST UNIT MAP

ACRES: 32 VOLUME: 812 MBF QUAD(s): KTNDS QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-56 LANDNET INFO TOWNSHIP 70S RANGE 21E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7036</u>	No. Settings <u>3</u>	Alternatives considered <u>2 4</u>	VQO <u>M</u>
Planned acres <u>46</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1149</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-36</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 46 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 13 acres 1200-1500 ft. 14 acres over 1500 ft. 18 acres
Mass movement index: Low 0 acres Medium 0 acres High 46 acres Very High 0 acres
Cedar 0 Hemlock 46 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 45 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 34 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

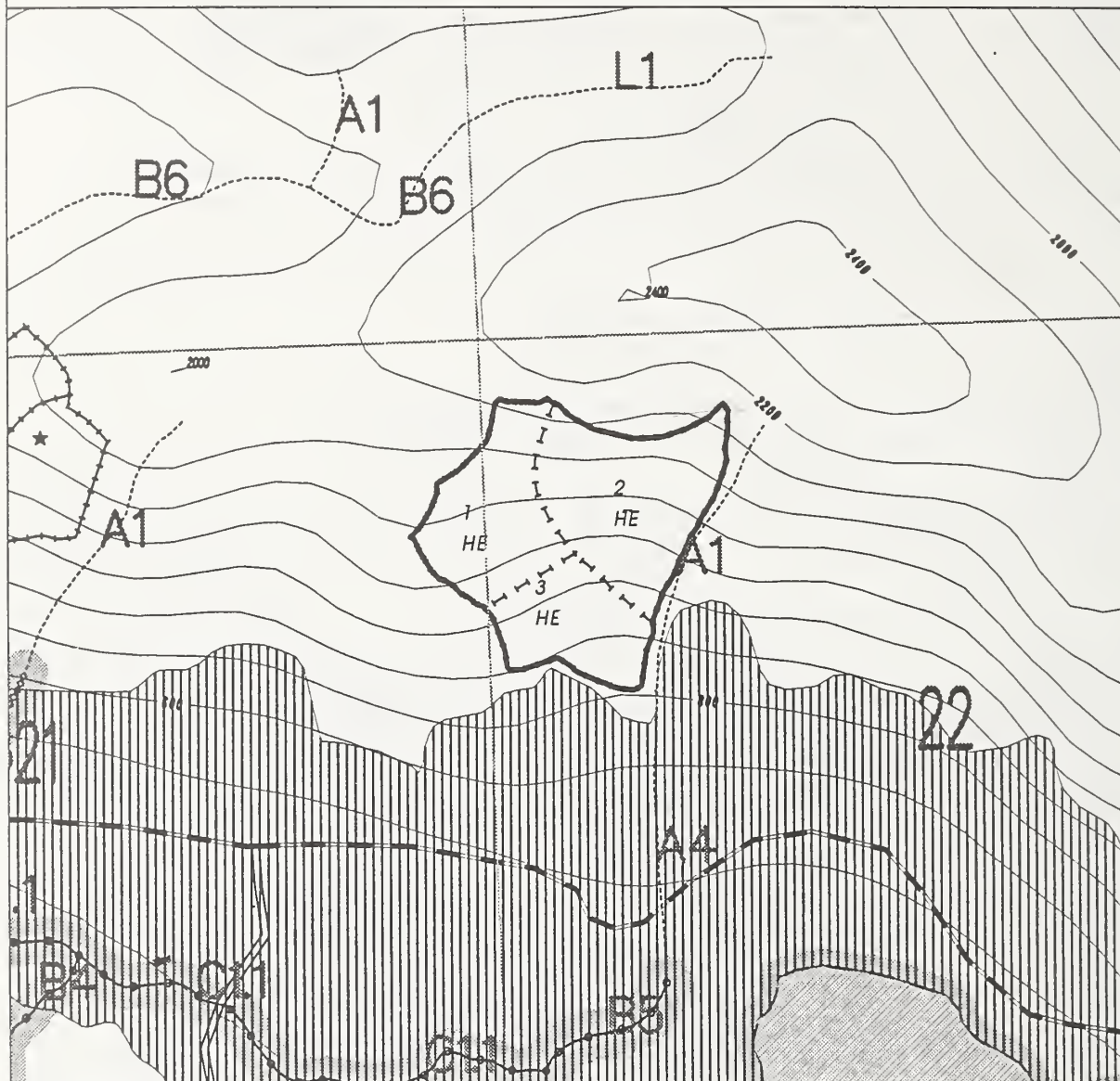
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7036

PLANNED HARVEST UNIT MAP

ACRES: 48 VOLUME: 1149 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-36 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7037</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u>	VQO <u>M</u>
Planned acres <u>35</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1041</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-36</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 9 acres VC5 26 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 14 acres 1200-1500 ft. 12 acres over 1500 ft. 9 acres
Mass movement index: Low 0 acres Medium 0 acres High 35 acres Very High 0 acres
Cedar 0 Hemlock 35 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 34 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 33 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).
Oversteepened slopes may require full bench construction on 0.22 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

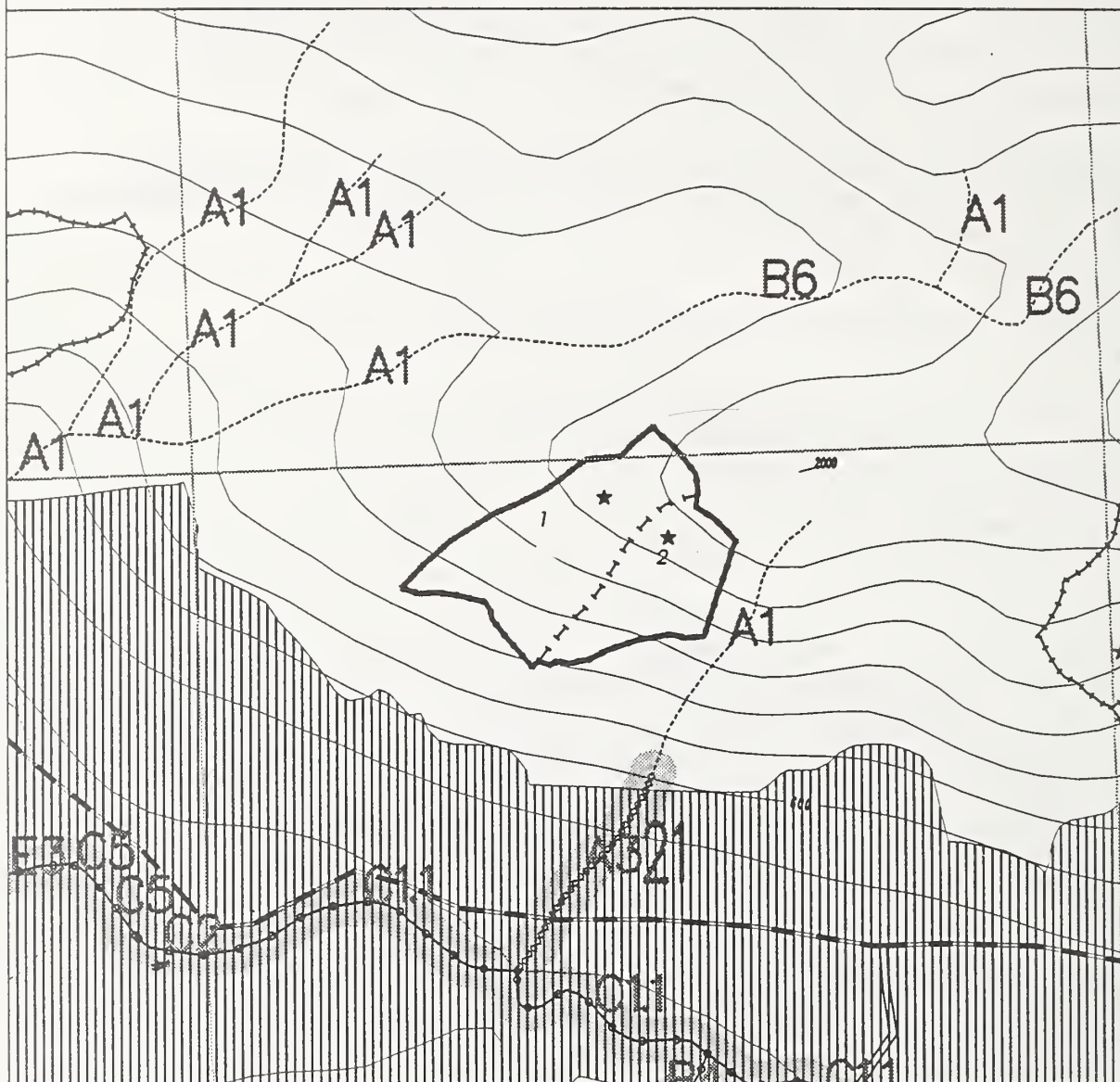
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7037

PLANNED HARVEST UNIT MAP

ACRES: 35 VOLUME: 1041 MBF QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-36 LANDNET INFO TOWNSHIP 70S RANGE 81E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following
 intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

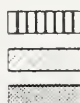
LANDING ★

BACLE TREE (upward arrow symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7038</u>	No. Settings <u>2</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>52</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1630</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Shelter wood</u>		1979 Photo <u>1279-11</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 52 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 32 acres 800-1200 ft. 19 acres 1200-1500 ft. 1 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 35 acres High 17 acres Very High 0 acres
Cedar 0 Hemlock 52 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 52 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 16 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

Oversteepened slopes may require full bench construction on 0.19 miles of road and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Maintain adequate distribution of snags by leaving 0.1 acre-sized patches of green trees within the unit for every 10 acres harvested. Snag patches must be compatible with logging system and safe working conditions.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

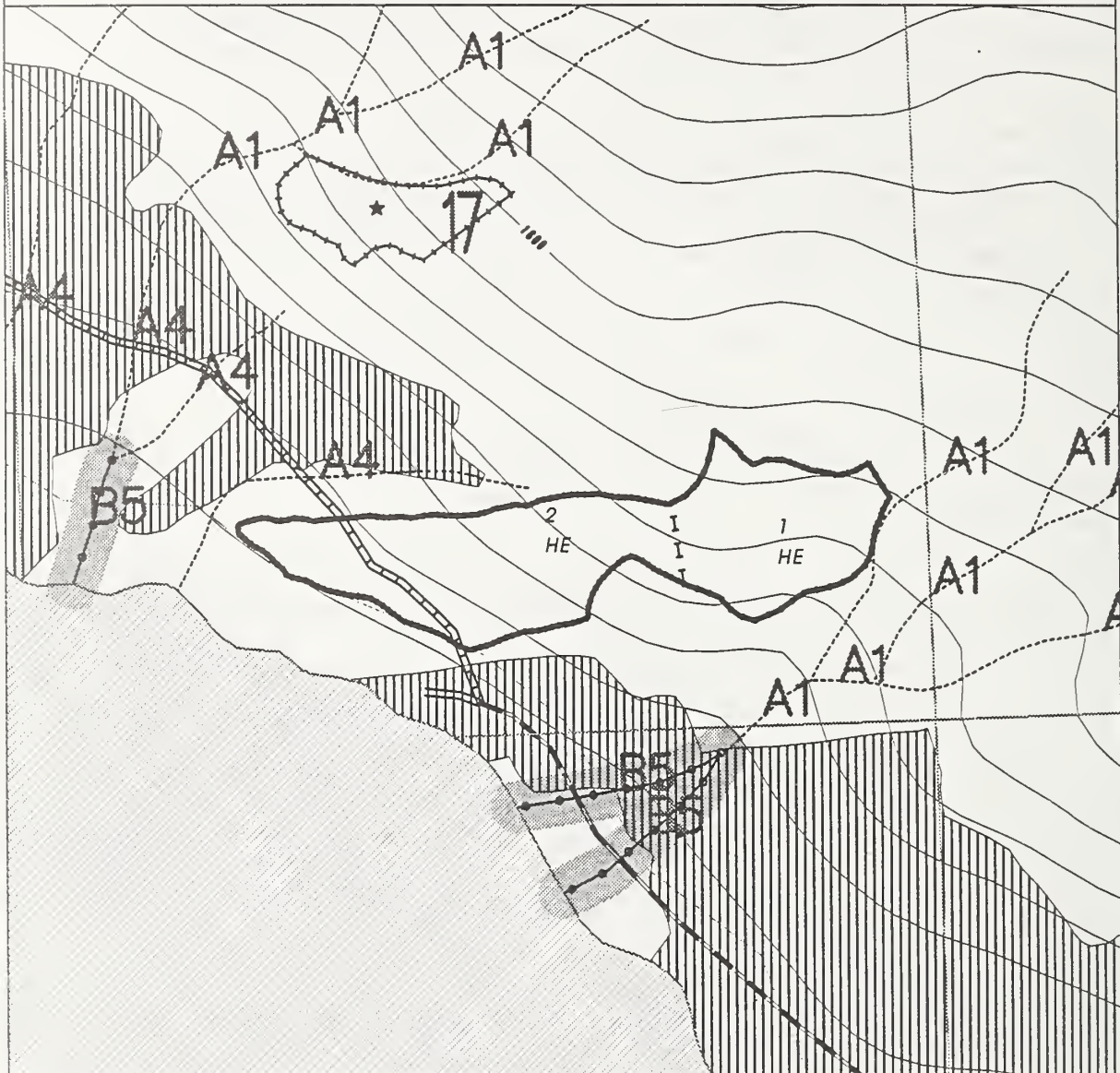
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7038

PLANNED HARVEST UNIT MAP

ACRES: 52 VOLUME: 1630 MBP QUAO(s): KTHDS QUARTER QUAO(s): SES/SWS
 PHOTO NUM.: 1279-11 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT (vertical lines)
 SALTWATER AND LAKES (horizontal lines)
 CLASS I & II STREAM BUFFER (stippled area)

LOGGING SYSTEMS:
 HE HELICOPTER



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7039</u>	No. Settings <u>1</u>	Alternatives considered <u>2</u>	VQO <u>PR</u>
Planned acres <u>11</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>345</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHM</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-11</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 11 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 5 acres 1200-1500 ft. 6 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 11 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 5 Mixed 6 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 11 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.

There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

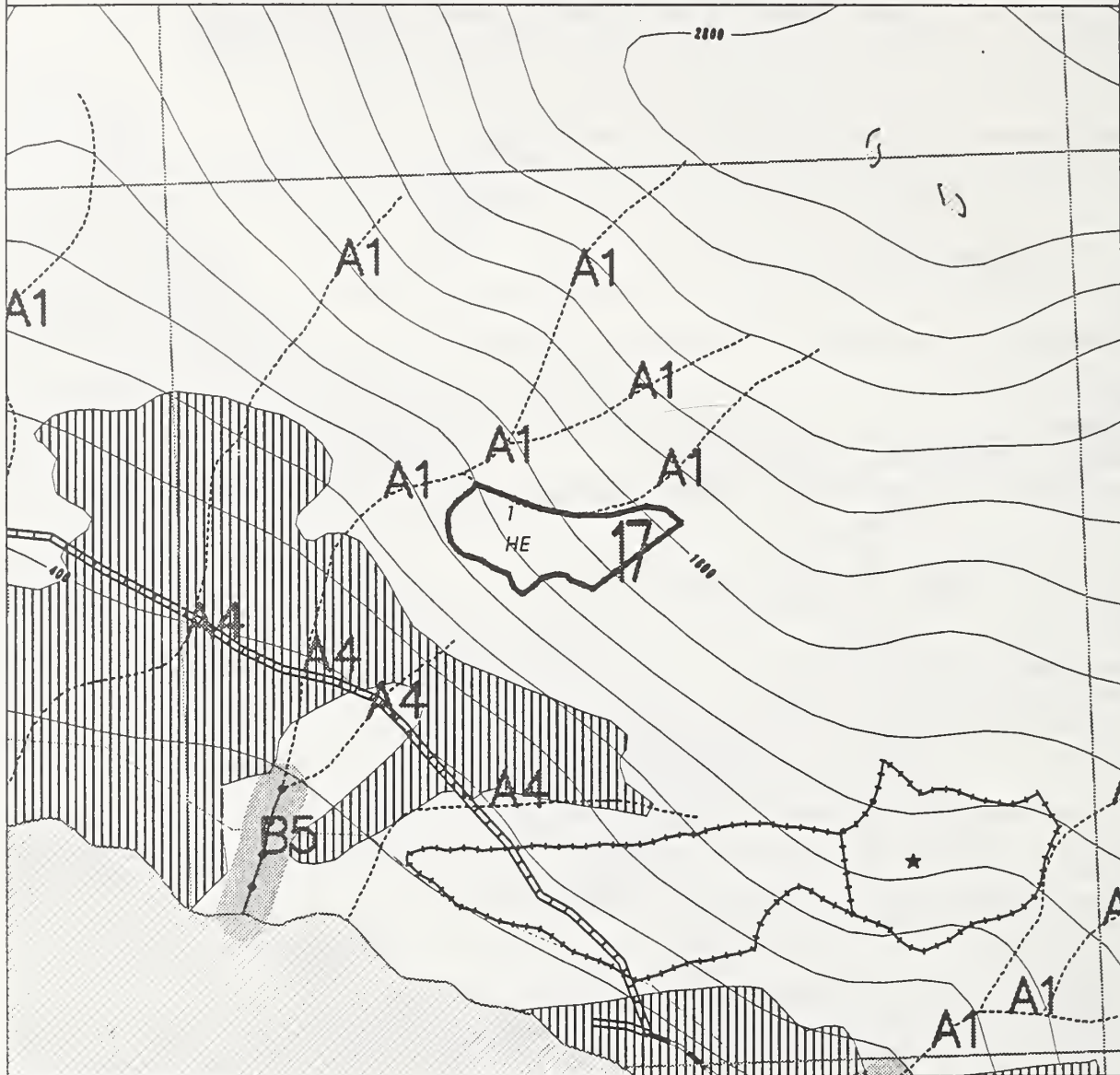
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7039

PLANNED HARVEST UNIT MAP

ACRES: 11 VOLUME: 345 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES/SWS
 PHOTO NUM.: 1279-11 LANDNET INFO TOWNSHIP 70S RANGE 81E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



September 21, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7040</u>	No. Settings <u>1</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>M</u>
Planned acres <u>32</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1091</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WDC</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 23 acres VC6 9 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 32 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 9 acres High 23 acres Very High 0 acres
Cedar 0 Hemlock 27 Mixed 5 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 19 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

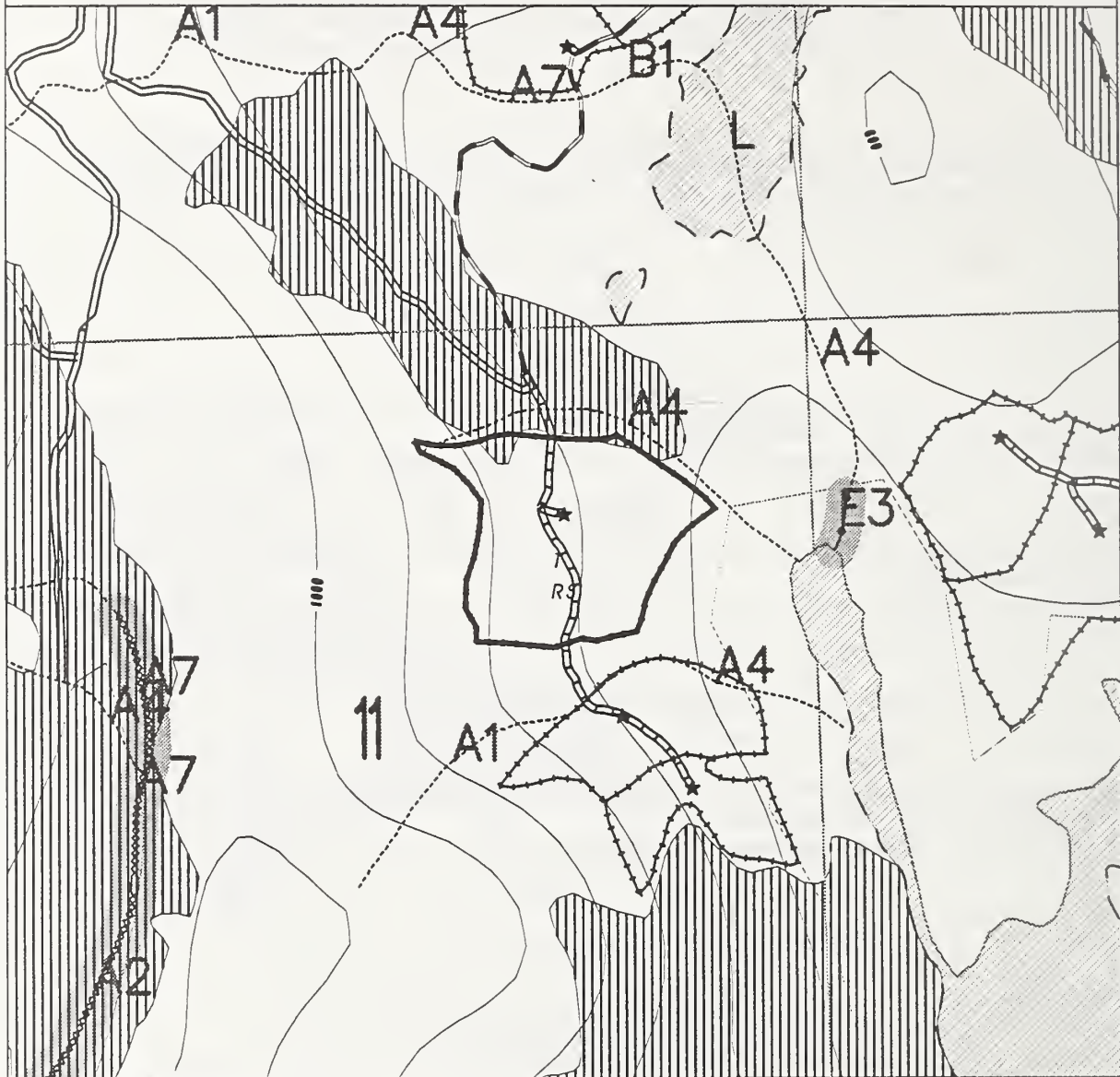
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7040

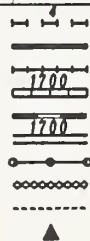
PLANNED HARVEST UNIT MAP

ACRES: 32 VOLUME: 1091 MBP QUAD(s): KYND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP 20S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



0 200 FT CONTOUR INTERVAL 1000 2000 feet

HAPS SCALE 1:12000

LANDING ★

EAGLE TREE (symbol)

EXISTING CLEARCUT (hatched pattern)

SALTWATER AND LAKES (stippled pattern)

CLASS I & II STREAM BUFFER (solid grey pattern)

LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7041</u>	No. Settings <u>2</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>M</u>
Planned acres <u>26</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>835</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u> <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 24 acres VC6 2 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 26 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 17 acres High 9 acres Very High 0 acres
Cedar 0 Hemlock 15 Mixed 11 Percent Seen .00 Percent Unseen .00 Aspect East

SOILS

This unit has 26 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 8 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Potentially very low volume per acre.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

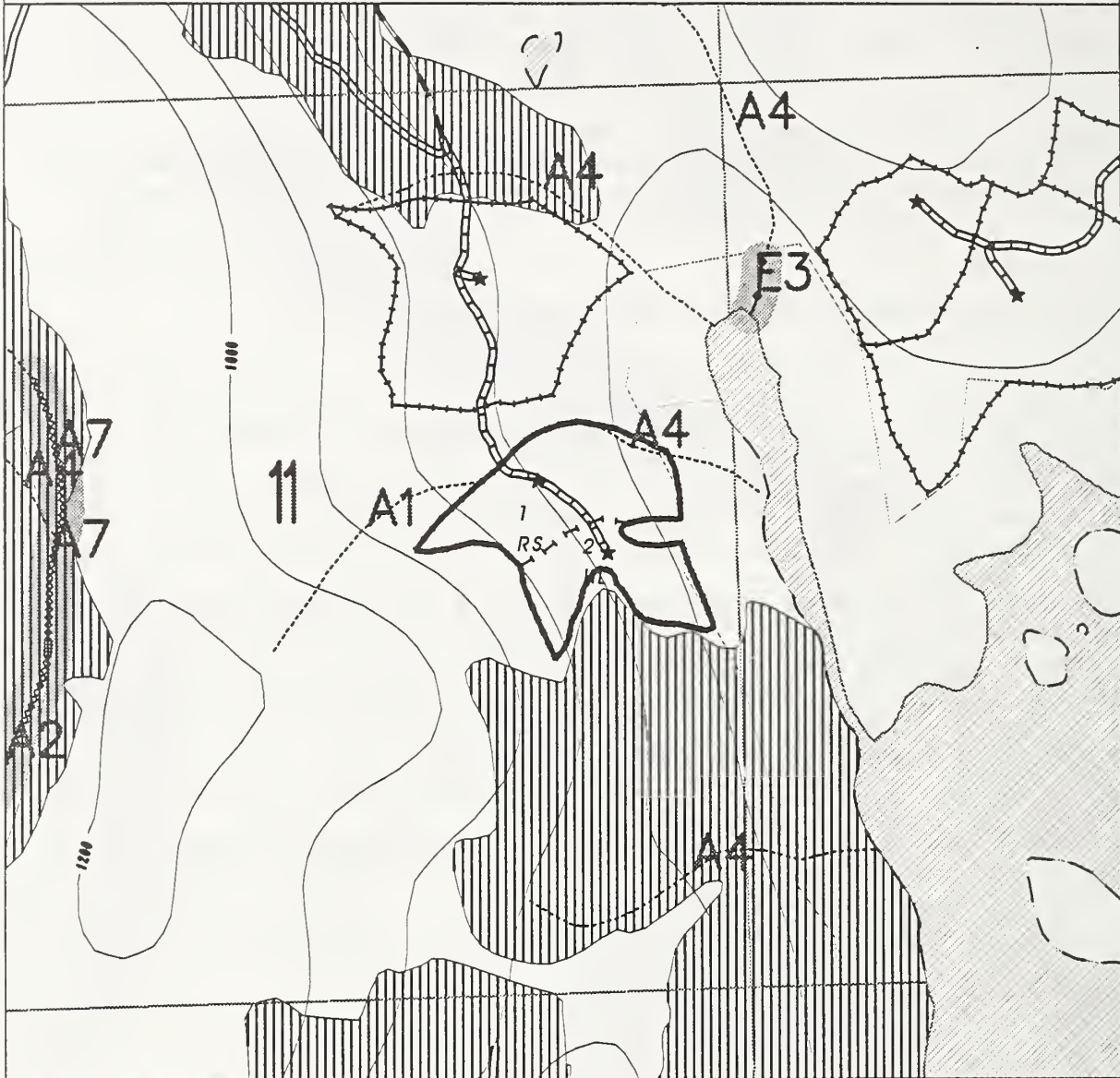
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7041

PLANNED HARVEST UNIT MAP

ACRES: 28 VOLUME: 835 MBF QUAD(s): 5TMD5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1178-15 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL

200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LOGGING SYSTEMS:
 RS RUNNING SKYLINE
 HL HIGHLEAD

LANDING ★
 EAGLE TREE (symbol)
 EXISTING CLEARCUT (symbol)
 SALTWATER AND LAKES (symbol)
 CLASS I & II STREAM BUFFER (symbol)

September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7042</u>	No. Settings <u>3</u>	Alternatives considered <u>3 4 6</u>	VQO <u>M</u>
Planned acres <u>70</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2195</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 70 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 70 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 70 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 70 Mixed 0 Percent Seen 0.69 Percent Unseen 0.31 Aspect South

SOILS

This unit has 70 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 49 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7042

PLANNED HARVEST UNIT MAP

ACRES: 70 VOLUME: 2195 MBP QUAD(s): KYND5 QUARTER QUAD(s): SWH
 PHOTO NUM.: 1178-15 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD
 SL SLACKLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7043</u>	No. Settings <u>5</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>M</u>
Planned acres <u>48</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1205</u>		Mgmt Area <u>K32</u> VCU <u>7360</u>	Plant Series <u>WDC</u>
Logging methods <u>HL</u> <u>RS LS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 47 acres VC5 1 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 48 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 22 acres High 25 acres Very High 0 acres
Cedar 0 Hemlock 48 Mixed 0 Percent Seen 1.00 Percent Unseen 0.00 Aspect West

SOILS

This unit has 32 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 16 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7360 UNIT NUMBER: 7043

PLANNED HARVEST UNIT MAP

ACRES: 48 VOLUME: 1205 MBP QUAD(s): KTMD5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-22 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



0 200 FT CONTOUR INTERVAL 1000 2000feet

MAP SCALE 1:12000

LANDING ★

EAGLE TREE (upward arrow in circle)

EXISTING CLEARCUT (dashed line)

SALTWATER AND LAKES (wavy line)

CLASS I & II STREAM BUFFER (stippled area)

LOGGING SYSTEMS:

LS LIVE SKYLINE
 RS RUNNING SKYLINE
 HL HIGH LEAD



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7044</u>	No. Settings <u>2</u>	Alternatives considered <u>3 4 6</u>	VQO <u>M</u>
Planned acres <u>36</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>906</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CMB</u>
Logging methods <u>HL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-13</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 35 acres VC5 1 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 25 acres 800-1200 ft. 11 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 21 acres High 14 acres Very High 0 acres
Cedar 0 Hemlock 36 Mixed 0 Percent Seen 0.86 Percent Unseen 0.14 Aspect East

SOILS

This unit has 36 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 21 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

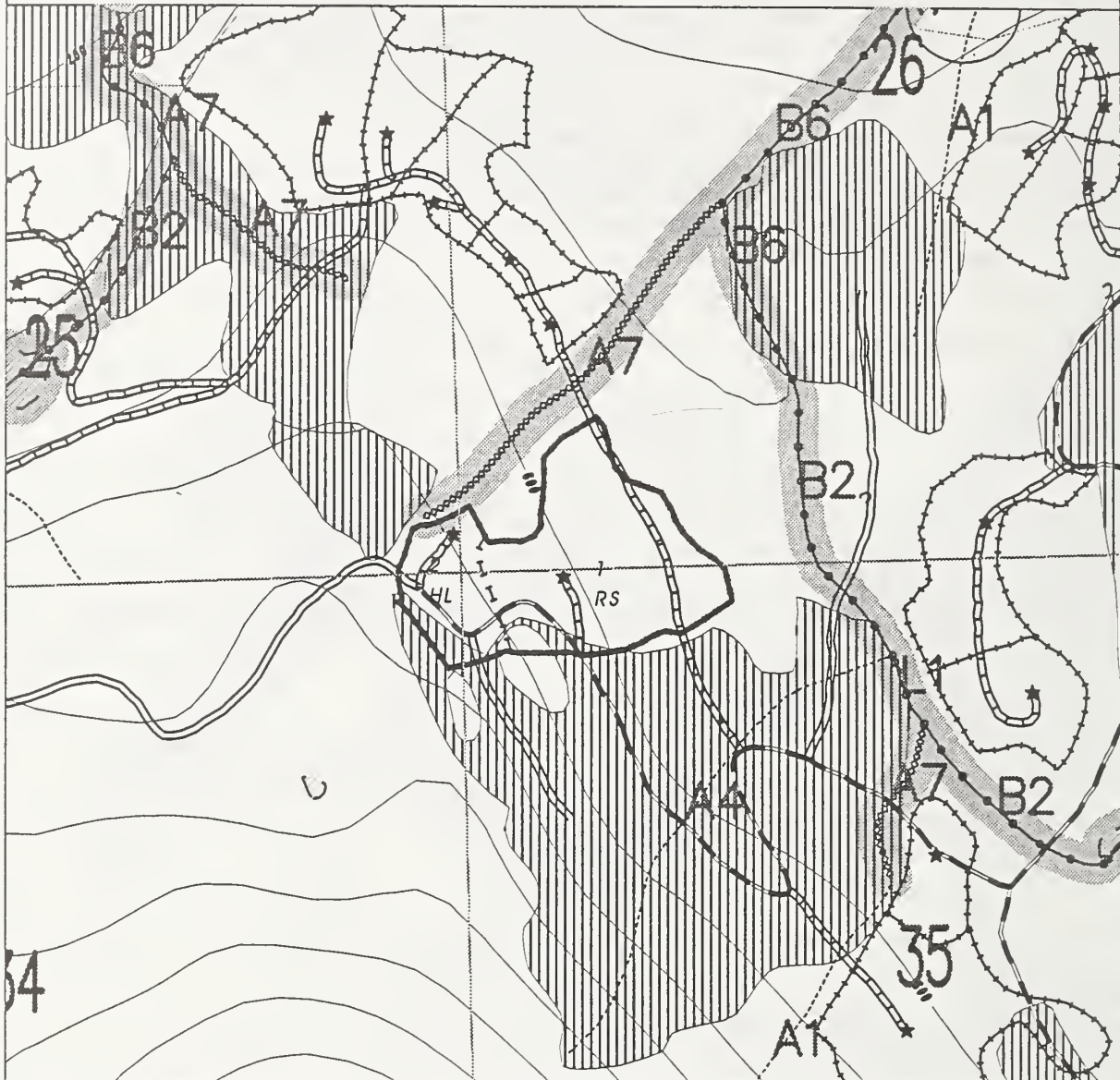
VCU: 7370

UNIT NUMBER: 7044

PLANNED HARVEST UNIT MAP

ACRES: 36 VOLUME: 906 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-13 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE

HL HIGH LEAD



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7045</u>	No. Settings <u>2</u>	Alternatives considered <u>3 4 6</u>	VQO <u>MM</u>
Planned acres <u>25</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>683</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 16 acres VC5 9 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 25 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 6 acres High 17 acres Very High 0 acres
Cedar 0 Hemlock 25 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect South

SOILS

This unit has 25 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 12 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 1 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a L1 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

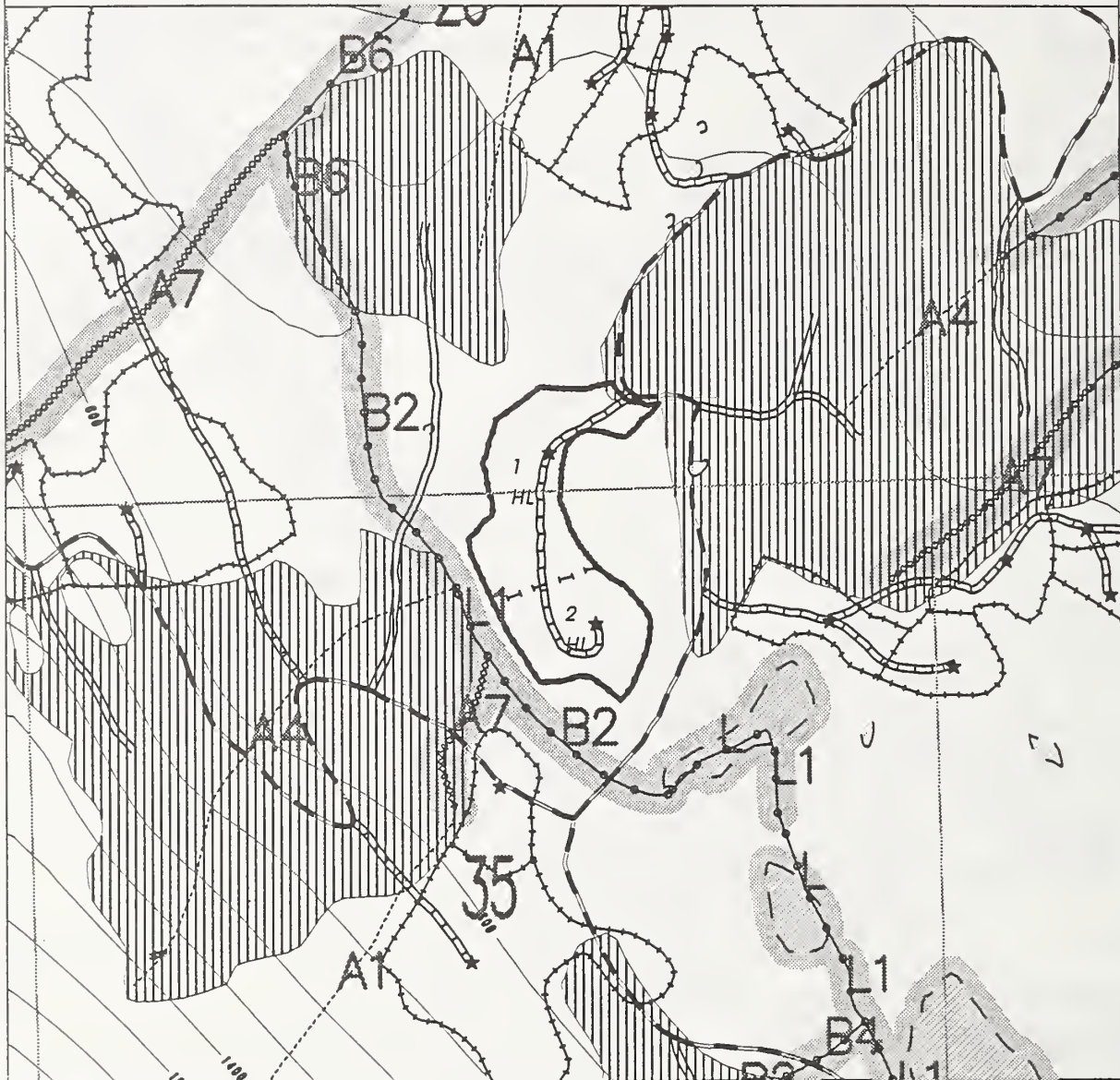
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7045

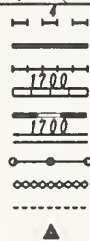
PLANNED HARVEST UNIT MAP

ACRES: 25 VOLUME: 683 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

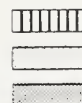
LANDING ★

EAGLE TREE (circle with cross)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGH LEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7046</u>	No. Settings <u>5</u>	Alternatives considered <u>3 4 6</u>	VQO <u>PR</u>
Planned acres <u>35</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>952</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CMC</u>
Logging methods <u>HL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 23 acres VC5 12 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 35 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 16 acres Medium 19 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 35 Mixed 0 Percent Seen 0.59 Percent Unseen 0.41 Aspect North

SOILS

This unit has 34 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 12 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

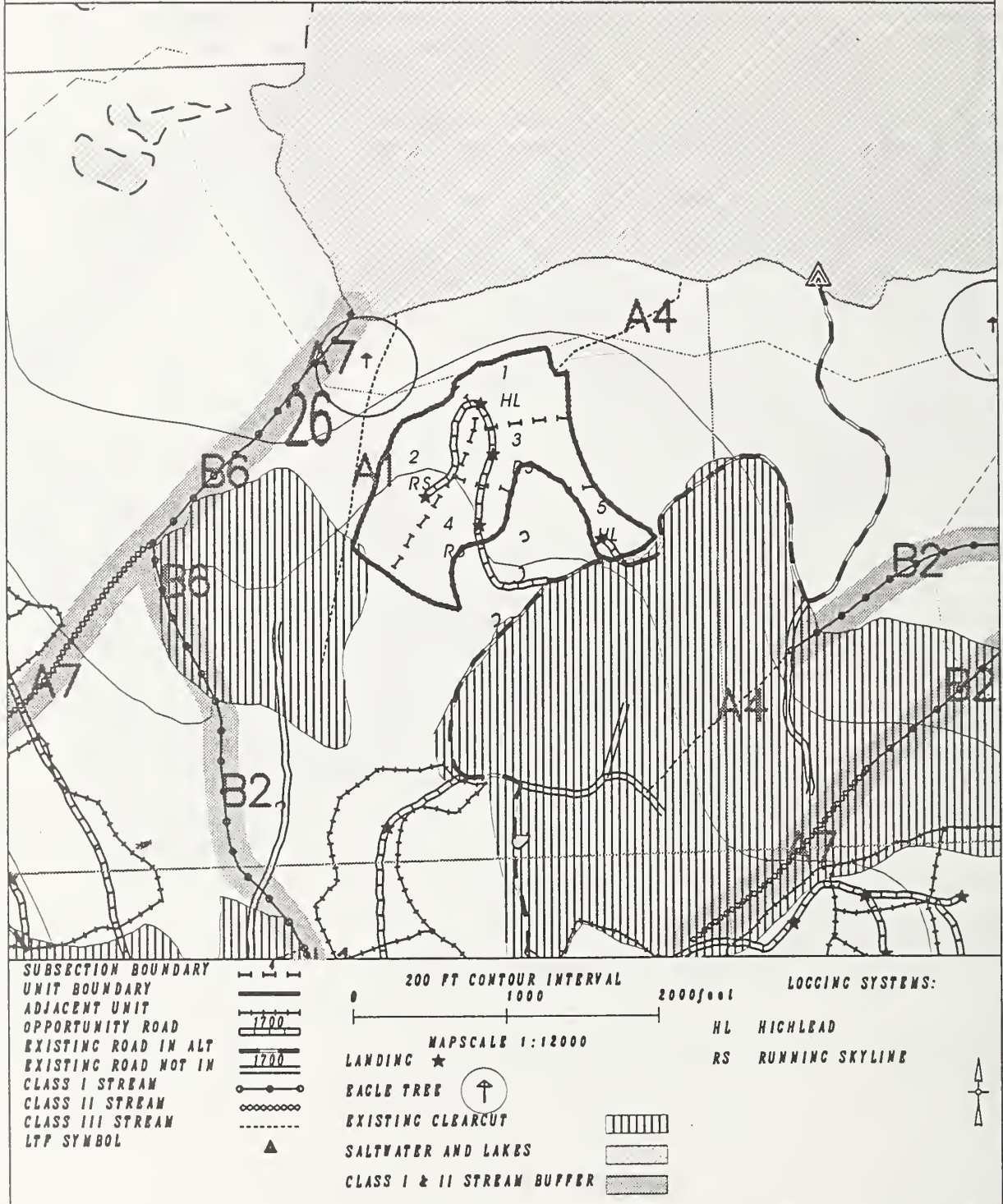
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7046

PLANNED HARVEST UNIT MAP

ACRES: 35 VOLUME: 952 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP 70S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7047</u>	No. Settings <u>6</u>	Alternatives considered <u>3 5 6</u>	VQO <u>PR</u>
Planned acres <u>50</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1569</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-16</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 50 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 50 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 21 acres Medium 29 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 13 Mixed 37 Percent Seen 0.45 Percent Unseen 0.55 Aspect East

SOILS

This unit has 33 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 18 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 8 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 2 streams which have fish passage requirements, of these passes 2 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

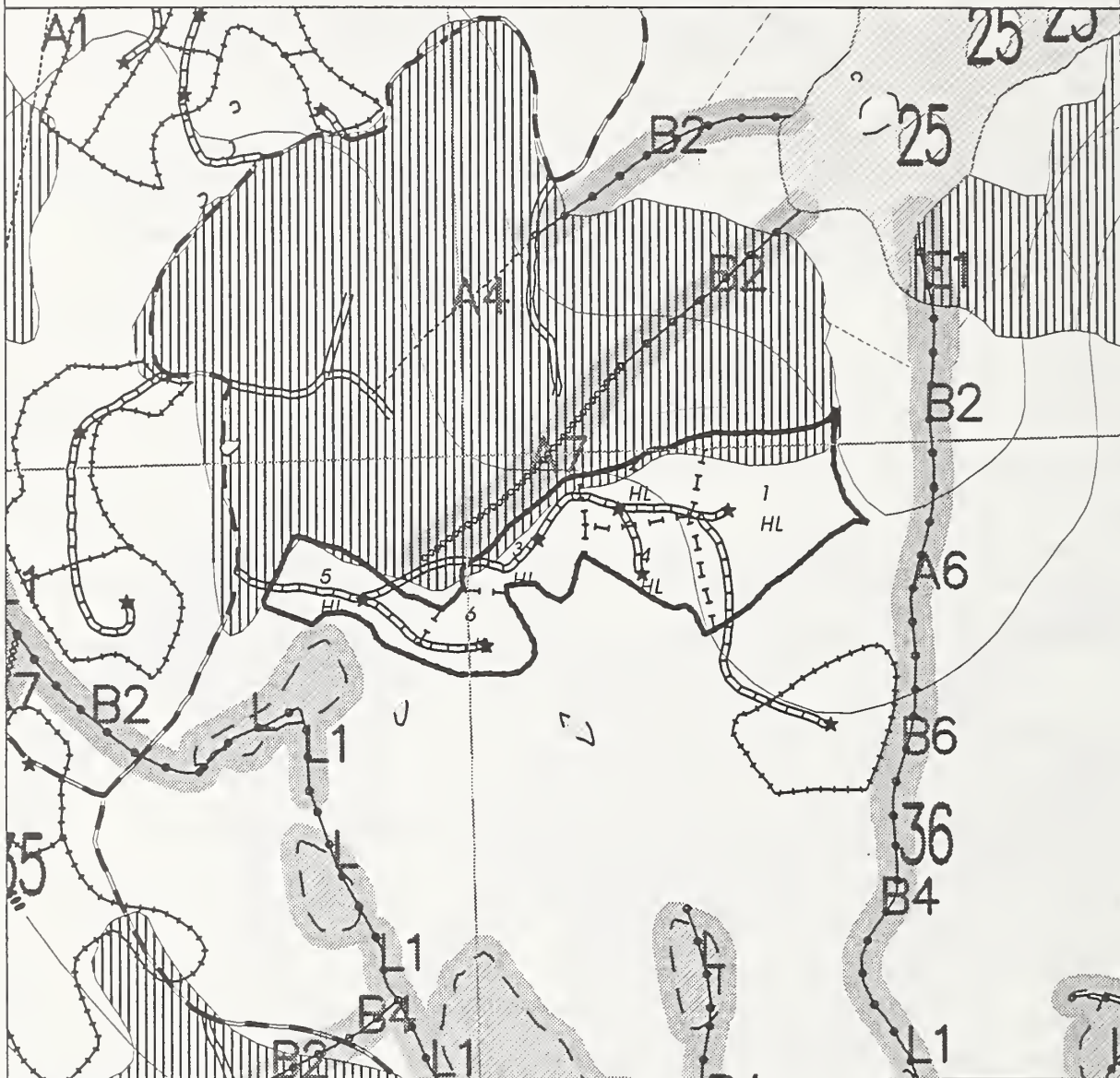
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7047

PLANNED HARVEST UNIT MAP

ACRES: 50 VOLUME: 1569 MBP QUAD(s): KTND5 QUARTER QUAD(s): SVS
 PHOTO NUM.: 1179-16 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7048</u>	No. Settings <u>2</u>	Alternatives considered <u>3</u> <u>6</u>	VQO <u>MM</u>
Planned acres <u>33</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1249</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-18</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 11 acres VC6 22 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 12 acres 1200-1500 ft. 19 acres over 1500 ft. 2 acres
Mass movement index: Low 3 acres Medium 0 acres High 30 acres Very High 0 acres
Cedar 0 Hemlock 33 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 32 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 15 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 14 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

YCU: 7370 UNIT NUMBER: 7048

ACRES: 33 VOLUME: 1249 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-18 LANDNET INFO TOWNSHIP 70S RANGE 81E

HL HICHLBAD

CLASS I & II STREAM BUFFER

11/11

114

11



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7049</u>	No. Settings <u>1</u>	Alternatives considered <u>3</u>	VQO <u>MM</u>
Planned acres <u>20</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>821</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 0 acres VC6 20 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 3 acres 1200-1500 ft. 13 acres over 1500 ft. 4 acres
Mass movement index: Low 0 acres Medium 0 acres High 20 acres Very High 0 acres
Cedar 0 Hemlock 20 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 20 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 17 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 2 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

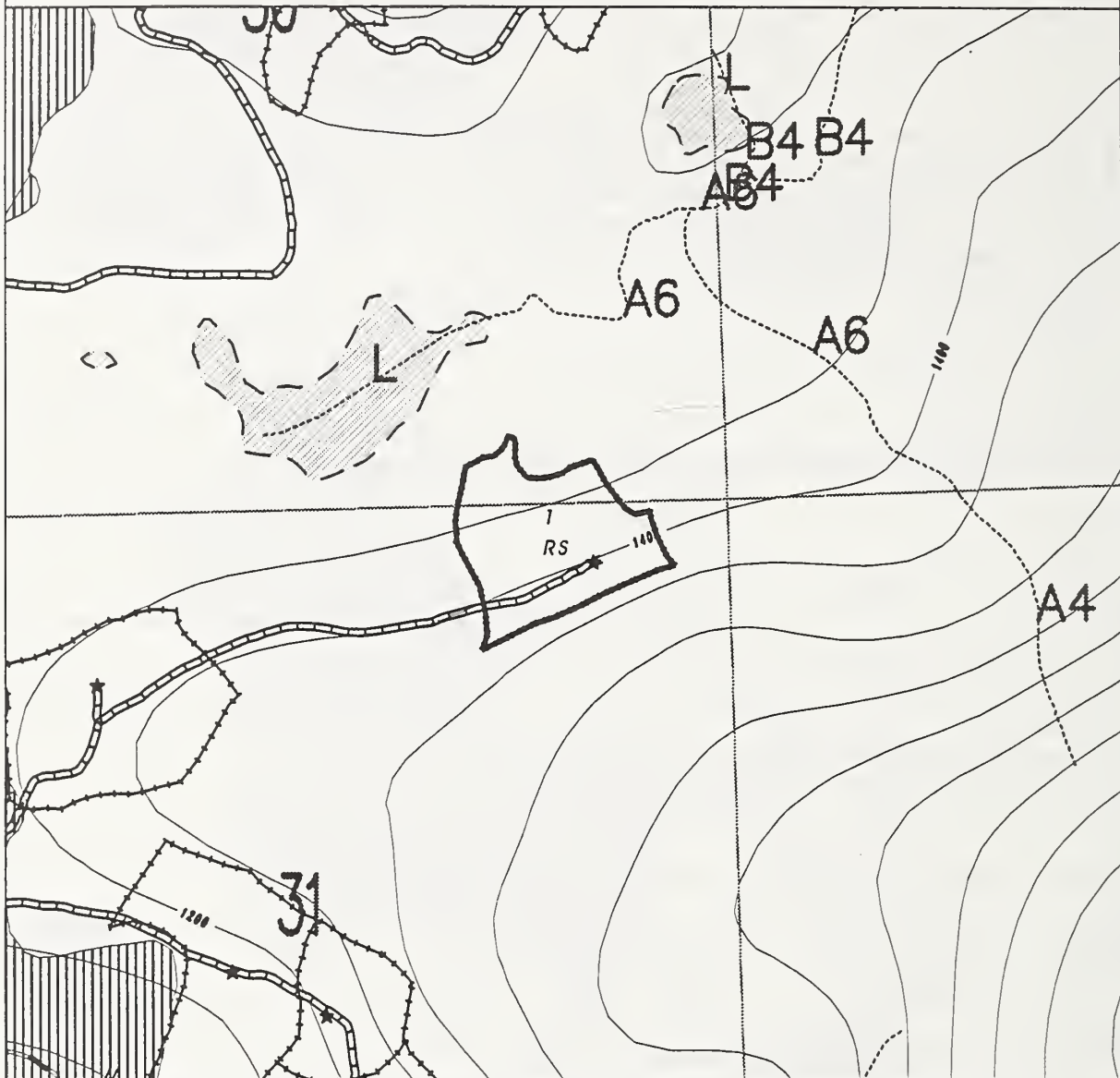
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7049

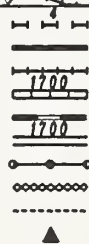
PLANNED HARVEST UNIT MAP

ACRES: 20 VOLUME: 821 MBP QUAD(s): KTHDS QUARTER QUAD(s): SWS
 PHOTO NUM.: 1279-10 LANDNET INFO TOWNSHIP 20S RANGE 81E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

NAPSCALE 1:12000

LANDING ★
 BACLE TREE (circle with cross)
 EXISTING CLEARCUT (hatched box)
 SALTWATER AND LAKES (dotted box)
 CLASS I & II STREAM BUFFER (solid box)

LOGGING SYSTEMS:
 RS RUNNING SKYLINE



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7050</u>	No. Settings <u>4</u>	Alternatives considered <u>3 4 6</u>	VQO <u>PR</u>
Planned acres <u>55</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1668</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 9 acres VC5 46 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 17 acres 1200-1500 ft. 34 acres over 1500 ft. 4 acres
Mass movement index: Low 0 acres Medium 4 acres High 51 acres Very High 0 acres
Cedar 0 Hemlock 43 Mixed 12 Percent Seen 0.14 Percent Unseen 0.86 Aspect South

SOILS

This unit has 55 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 34 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

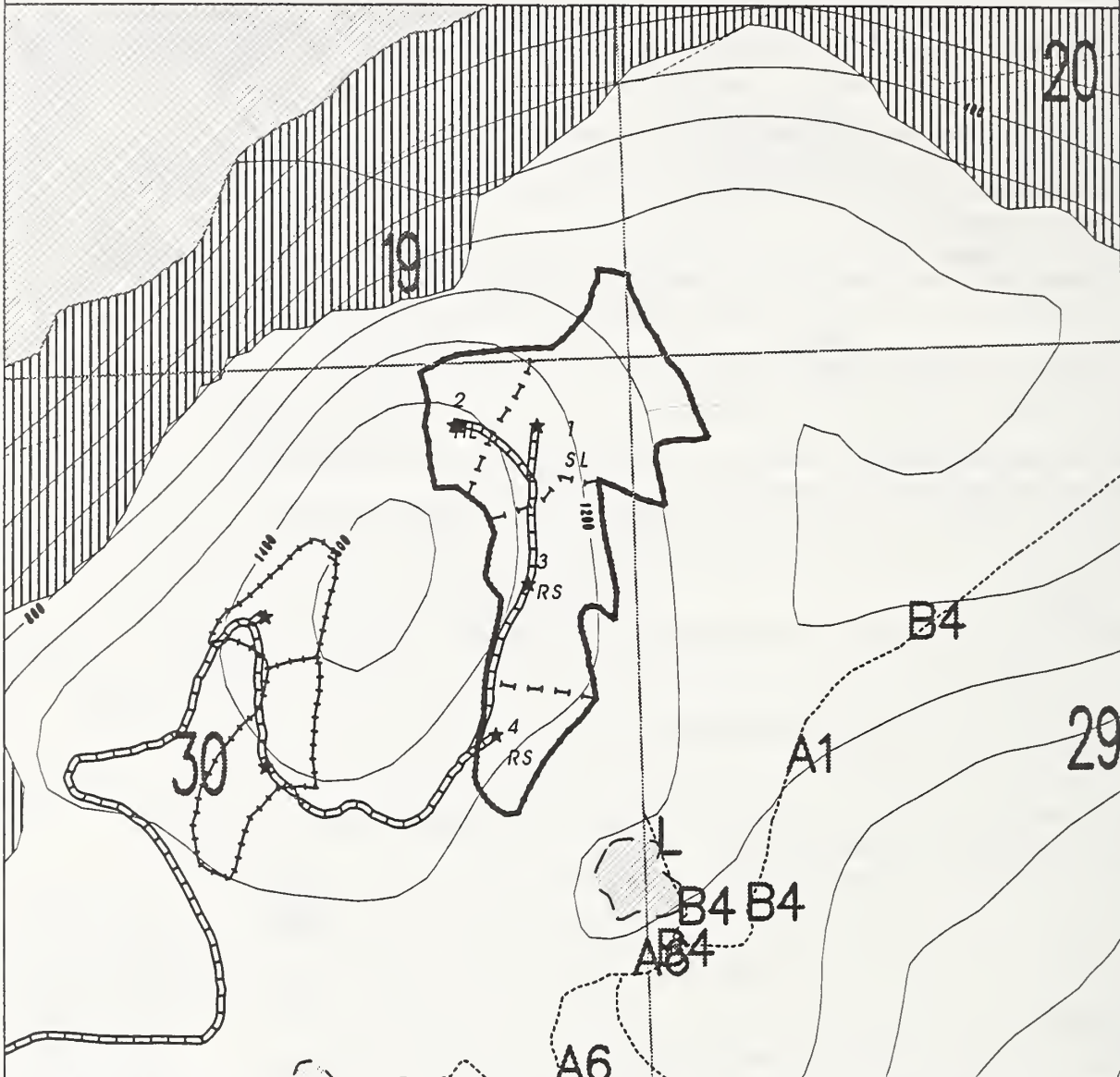
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7050

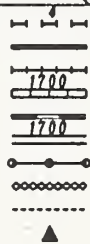
PLANNED HARVEST UNIT MAP

ACRES: 55 VOLUME: 1668 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1279-11 LANDNET INFO TOWNSHIP 70S RANGE 81E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (circle with arrow)
 EXISTING CLEARCUT (hatched box)
 SALTWATER AND LAKES (dotted box)
 CLASS I & II STREAM BUFFER (stippled box)

LOGGING SYSTEMS:

SL SLACKLINE
 HL HIGHLEAD
 RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7051</u>	No. Settings <u>4</u>	Alternatives considered <u>5 6</u>	VQO <u>M</u>
Planned acres <u>64</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1796</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>RS LS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 38 acres VC5 26 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 29 acres over 1500 ft. 35 acres
Mass movement index: Low 4 acres Medium 0 acres High 60 acres Very High 0 acres
Cedar 0 Hemlock 64 Mixed 0 Percent Seen 0.11 Percent Unseen 0.89 Aspect North

SOILS

This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 10 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 16 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

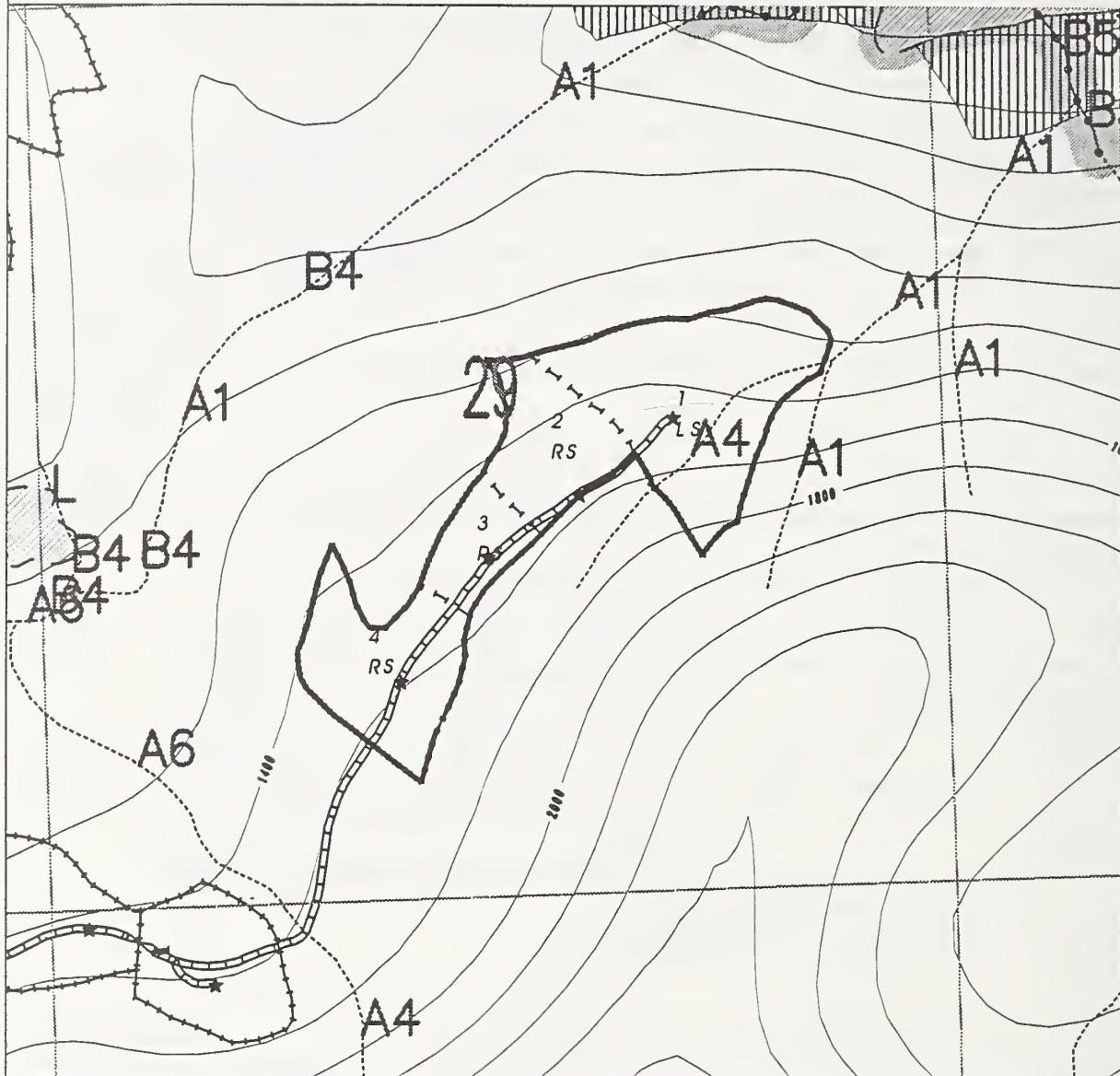
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7051

PLANNED HARVEST UNIT MAP

ACRES: 64 VOLUME: 1796 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES/SVS
 PHOTO NUM.: 1279-10 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



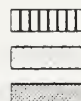
SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (up arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

LS LIVE SKYLINE
 RS RUNNING SKYLINE



October 13, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7052</u>	No. Settings <u>3</u>	Alternatives considered <u>6</u>	VQO <u>MM</u>
Planned acres <u>48</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1825</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 15 acres VC6 33 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 3 acres 1200-1500 ft. 20 acres over 1500 ft. 25 acres
Mass movement index: Low 1 acres Medium 0 acres High 47 acres Very High 0 acres
Cedar 0 Hemlock 48 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 48 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 24 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 19 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

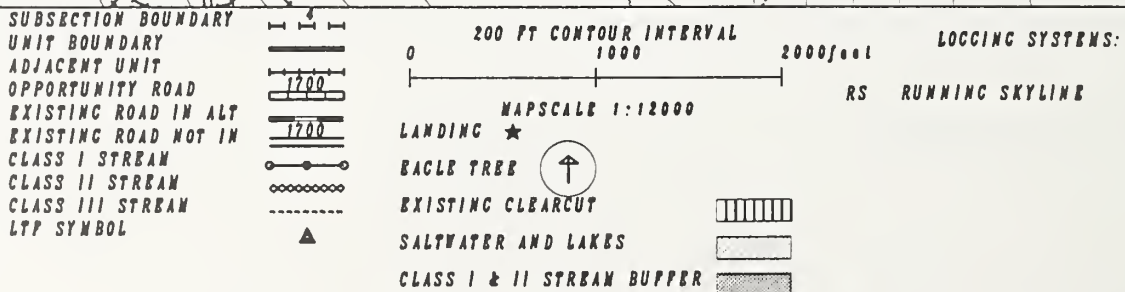
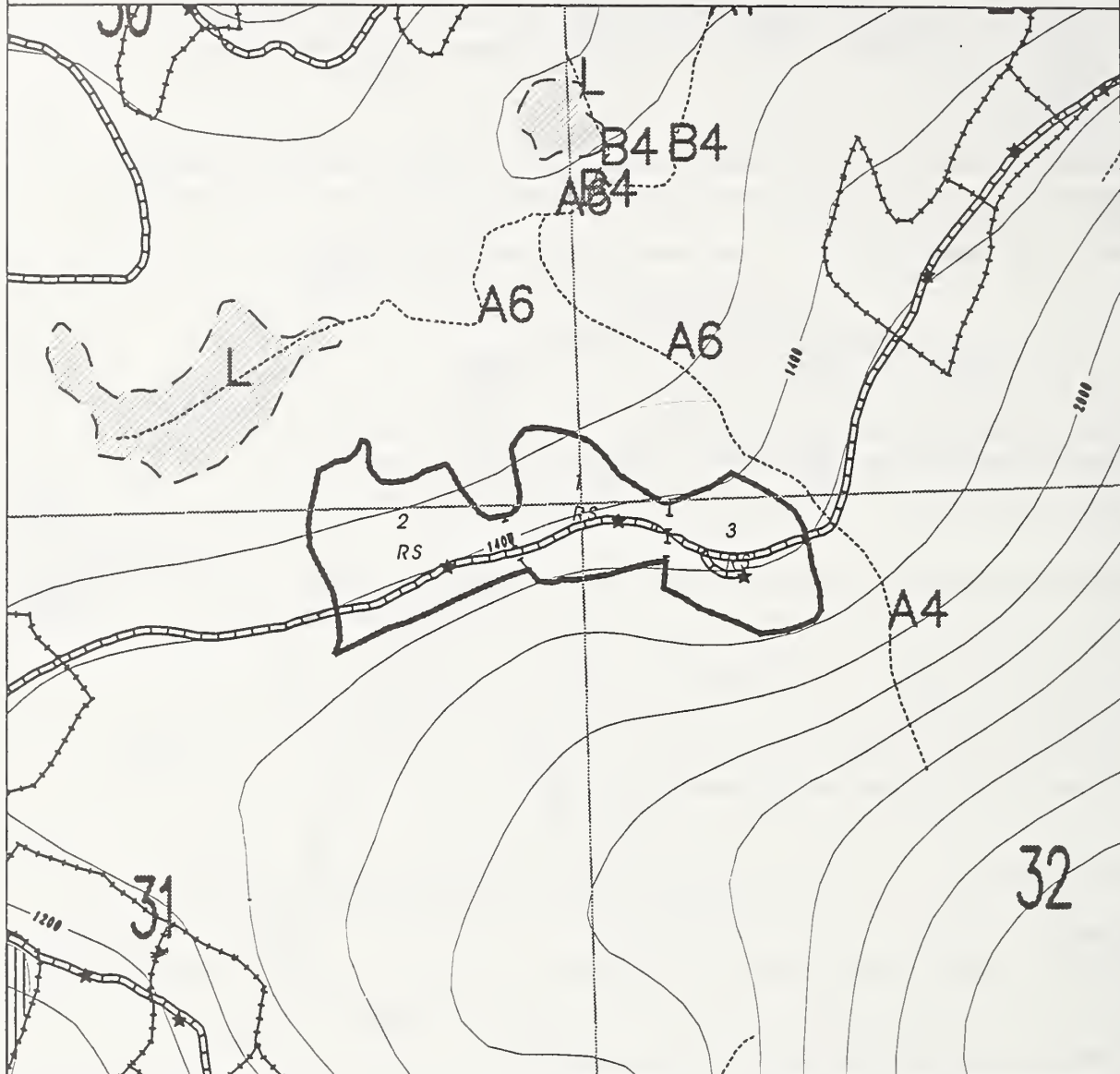
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7052

PLANNED HARVEST UNIT MAP

ACRES: 48 VOLUME: 1825 MBF QUAD(s): KTMD5 QUARTER QUAD(s): S8S/SWS
 PHOTO NUM.: 1279-10 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7053</u>	No. Settings <u>3</u>	Alternatives considered <u>4 6</u>	VQO <u>M</u>
Planned acres <u>67</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2031</u>		Mgmt Area <u>K32</u> VCU <u>7350</u>	Plant Series <u>CCS</u>
Logging methods <u>SL</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Shelter wood</u>		1979 Photo <u>1179-14</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 11 acres VC5 56 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 52 acres 800-1200 ft. 15 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 18 acres Medium 49 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 56 Mixed 11 Percent Seen 0.84 Percent Unseen 0.16 Aspect West

SOILS

This unit has 47 acres that may require partial or full suspension (BMP 13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 47 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 4 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nest site is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

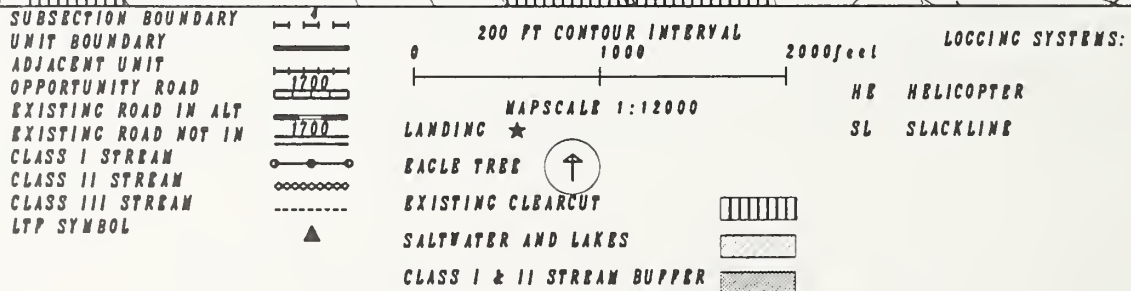
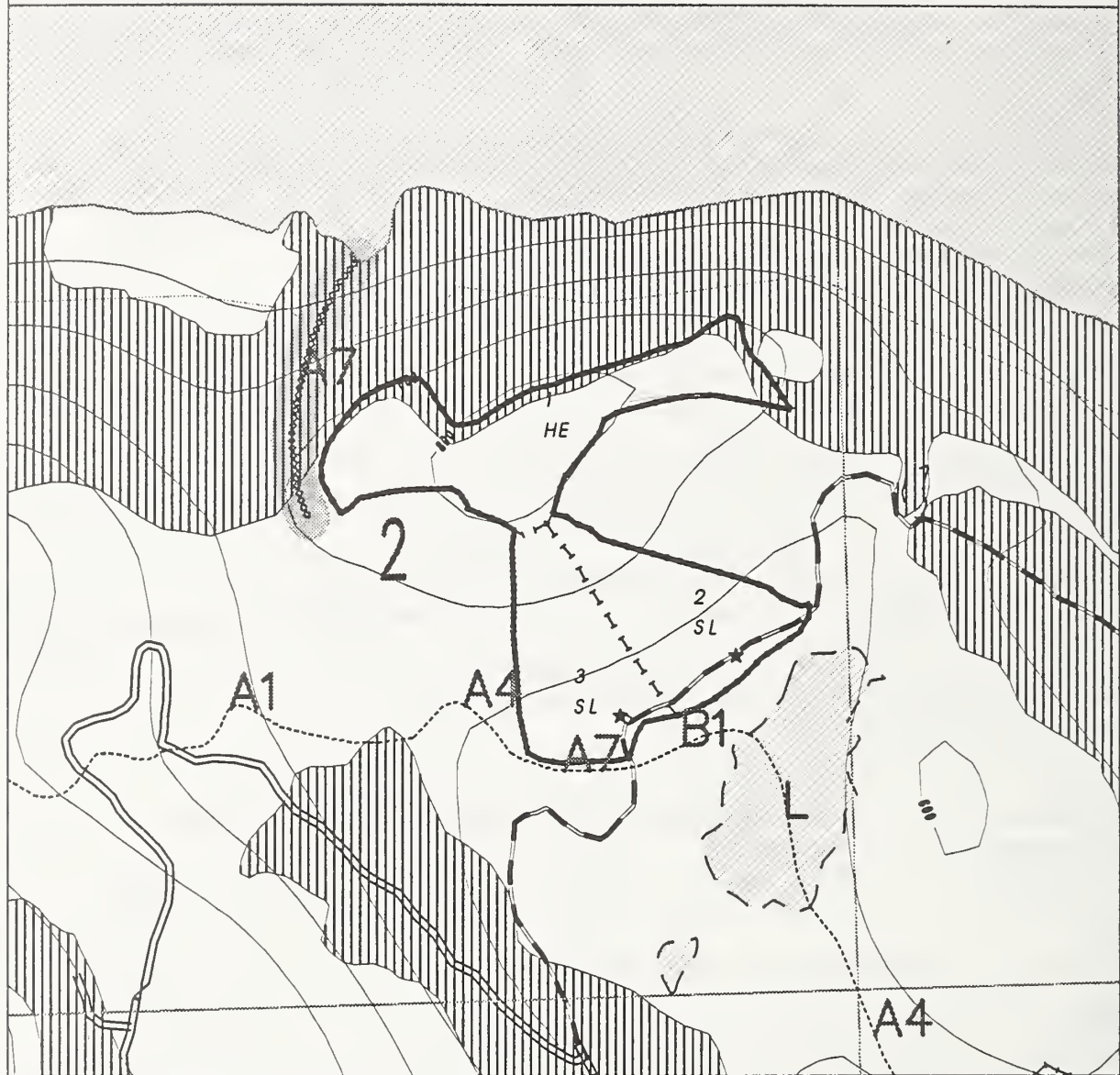
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7350 UNIT NUMBER: 7053

PLANNED HARVEST UNIT MAP

ACRES: 67 VOLUME: 2031 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-14 LANDNET INFO TOWNSHIP 703 RANGE 20E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



September 20, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7054</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>16</u>		Quad <u>KTND5SWN</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>502</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 16 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 16 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 16 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 16 Mixed 0 Percent Seen 1.00 Percent Unseen 0.00 Aspect South

SOILS

This unit has 16 acres that may require partial or full suspension (BMP 13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 16 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7054

PLANNED HARVEST UNIT MAP

ACRES: 16 VOLUME: 502 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWN
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP 70S RANGE 82R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL

200 FT CONTOUR INTERVAL
 1000
 2000 feet
 MAPSCALE 1:12000
 LOGGING SYSTEMS:
 HL HIGHLEAD

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT (dashed line)
 SALTWATER AND LAKES (wavy line)
 CLASS I & II STREAM BUFFER (shaded area)

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7055</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>PR</u>
Planned acres <u>54</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1439</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-19</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 40 acres VC5 14 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 1 acres 1200-1500 ft. 18 acres over 1500 ft. 35 acres
Mass movement index: Low 0 acres Medium 20 acres High 34 acres Very High 0 acres
Cedar 0 Hemlock 54 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 54 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 20 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A7 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of PR as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

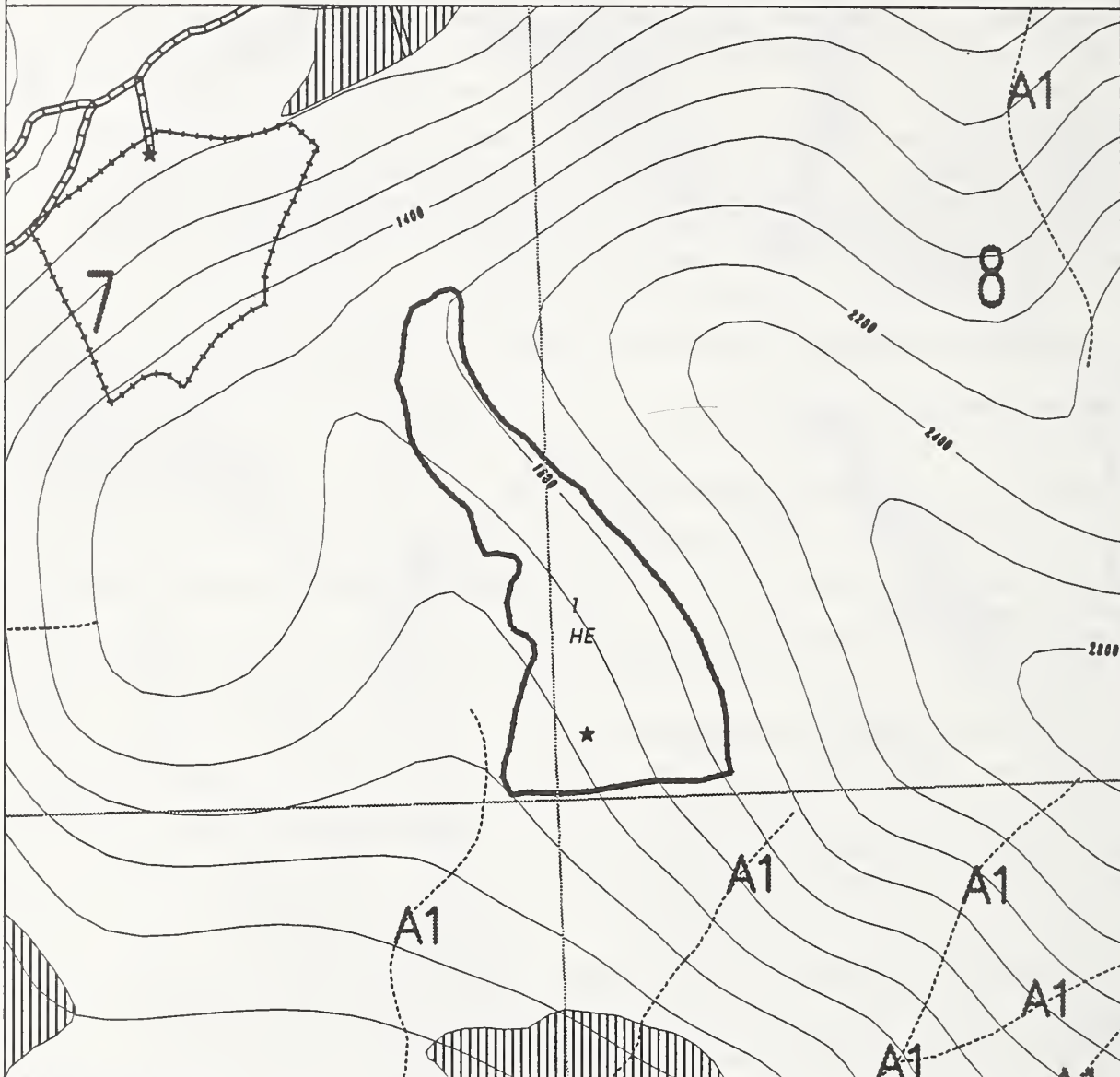
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7055

PLANNED HARVEST UNIT MAP

ACRES: 54 VOLUME: 1439 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWN/SWS
 PHOTO NUM.: 1178-19 LANDNET INFO TOWNSHIP 70S RANGE 81R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (circle with cross)
 EXISTING CLEARCUT (dashed line)
 SALTWATER AND LAKES (hatched area)
 CLASS I & II STREAM BUFFER (stippled area)

LOGGING SYSTEMS:

HE HELICOPTER



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7056</u>	No. Settings <u>1</u>	Alternatives considered <u>4 5</u>	VQO <u>M</u>
Planned acres <u>46</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1348</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>RS</u> <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-11</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 15 acres VC5 31 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 1 acres 1200-1500 ft. 14 acres over 1500 ft. 30 acres
Mass movement index: Low 0 acres Medium 34 acres High 12 acres Very High 0 acres
Cedar 0 Hemlock 46 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 46 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 12 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.
Potentially very low volume per acre.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

VCU: 7370

UNIT NUMBER: 7056

PLANNED HARVEST UNIT MAP

ACRES: 48

VOLUME: 1348

MBF

QUAD(s): KTND5

QUARTER QUAD(s): SES

PHOTO NUM.:

1279-11

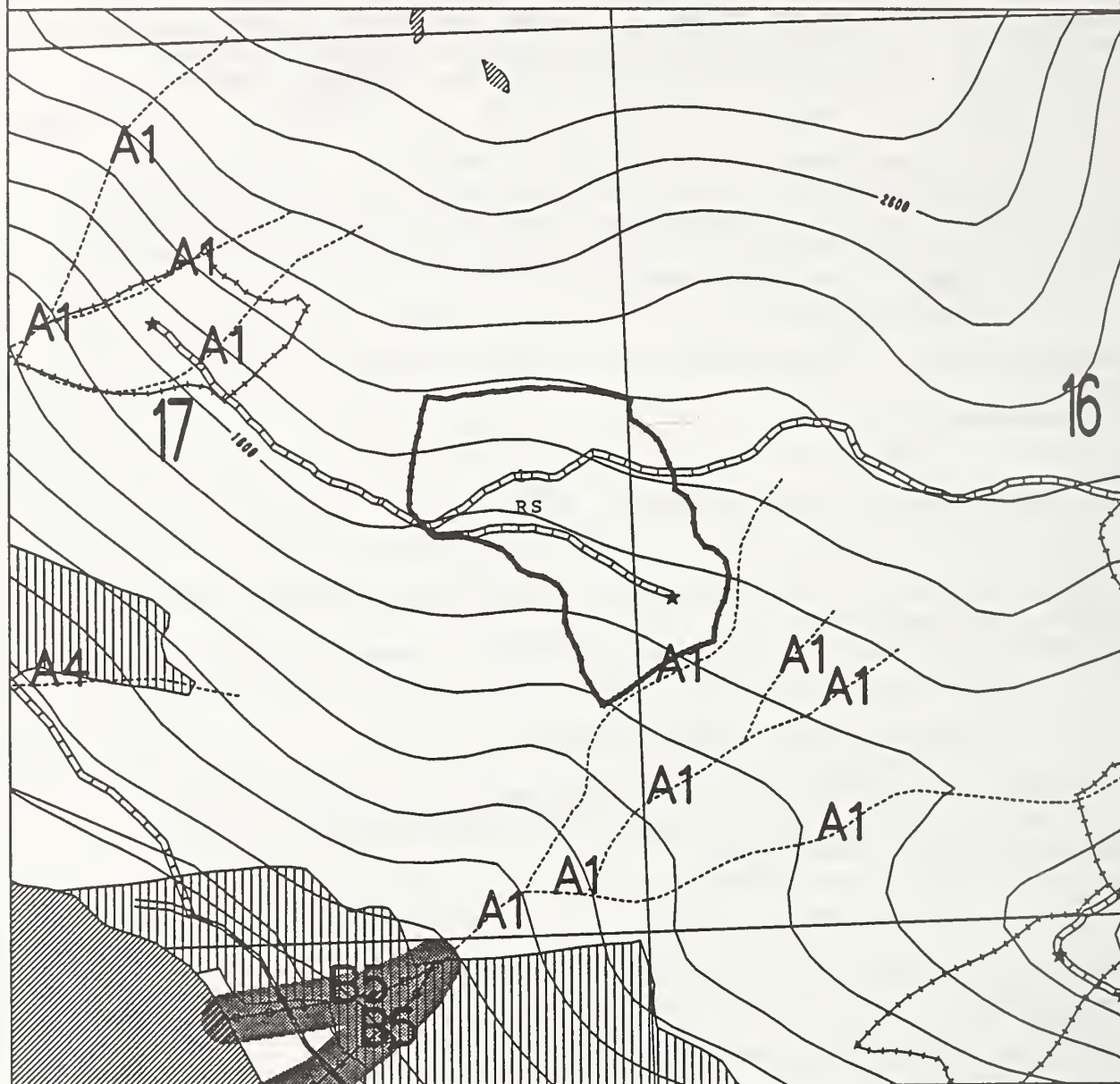
LANDNET INFO

TOWNSHIP

703

RANGE 312

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
UNIT BOUNDARY
ADJACENT UNIT
OPPORTUNITY ROAD
EXISTING ROAD IN ALT
EXISTING ROAD NOT IN
CLASS I STREAM
CLASS II STREAM
CLASS III STREAM
LTP SYMBOL



200 FT CONTOUR INTERVAL
0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7057</u>	No. Settings <u>1</u>	Alternatives considered <u>4 5</u>	VQO <u>M</u>
Planned acres <u>11</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>282</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-36</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 10 acres VC5 1 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 8 acres over 1500 ft. 3 acres
Mass movement index: Low 0 acres Medium 0 acres High 11 acres Very High 0 acres
Cedar 0 Hemlock 11 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 11 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

VCU: 7370

UNIT NUMBER: 7057

PLANNED HARVEST UNIT MAP

ACRES: 11

VOLUME: 282

MBP

QUAD(s): KTND5

QUARTER QUAD(s): SES

PHOTO NUM.:

1279-36

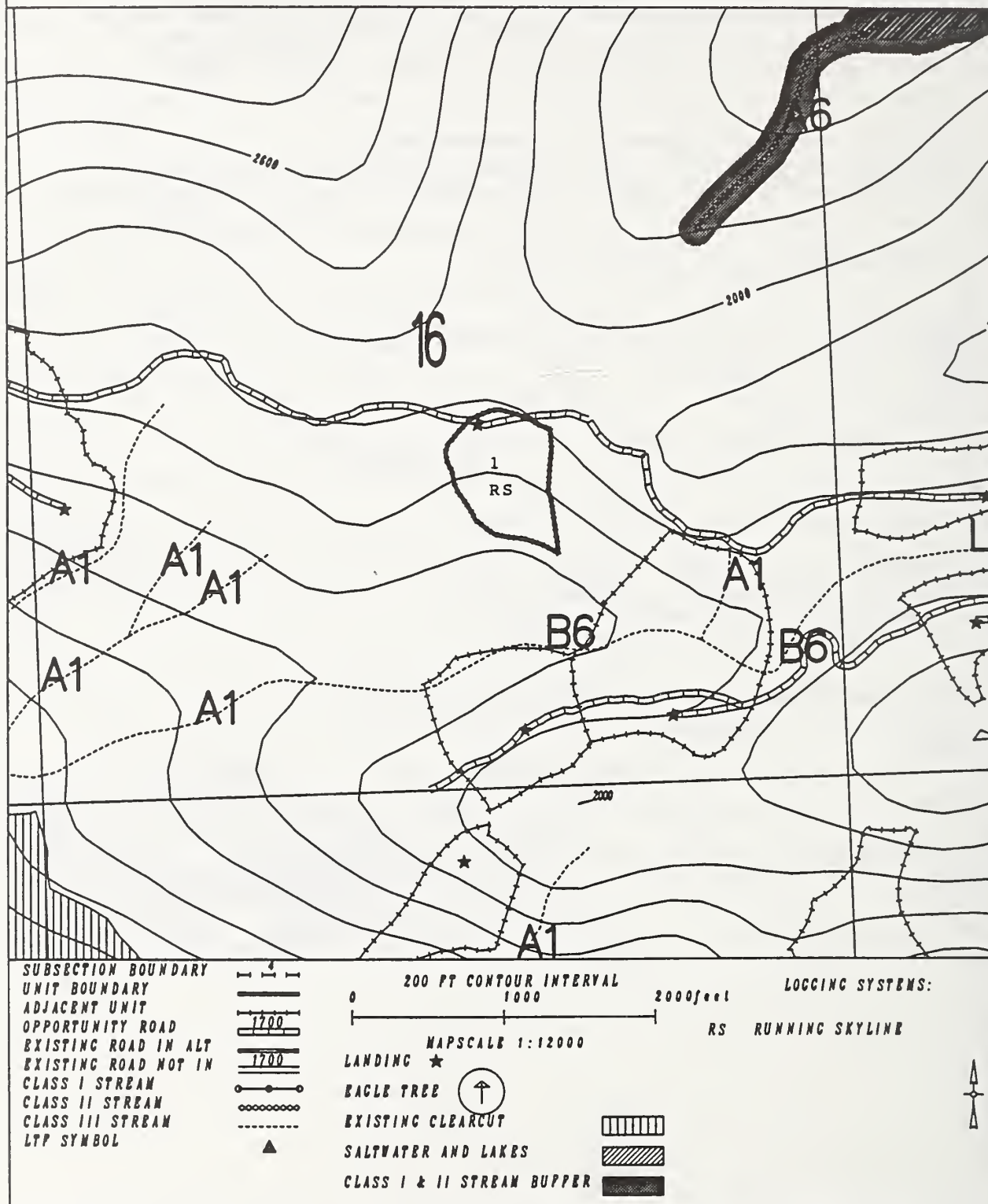
LANDNET INFO

TOWNSHIP

70S

RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7058</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>49</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1486</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHM</u>
Logging methods <u>HL SL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-36</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 8 acres VC5 41 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 49 acres
Mass movement index: Low 1 acres Medium 0 acres High 48 acres Very High 0 acres
Cedar 0 Hemlock 43 Mixed 6 Percent Seen .00 Percent Unseen .00 Aspect West

SOILS

This unit has 49 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 30 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.
Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

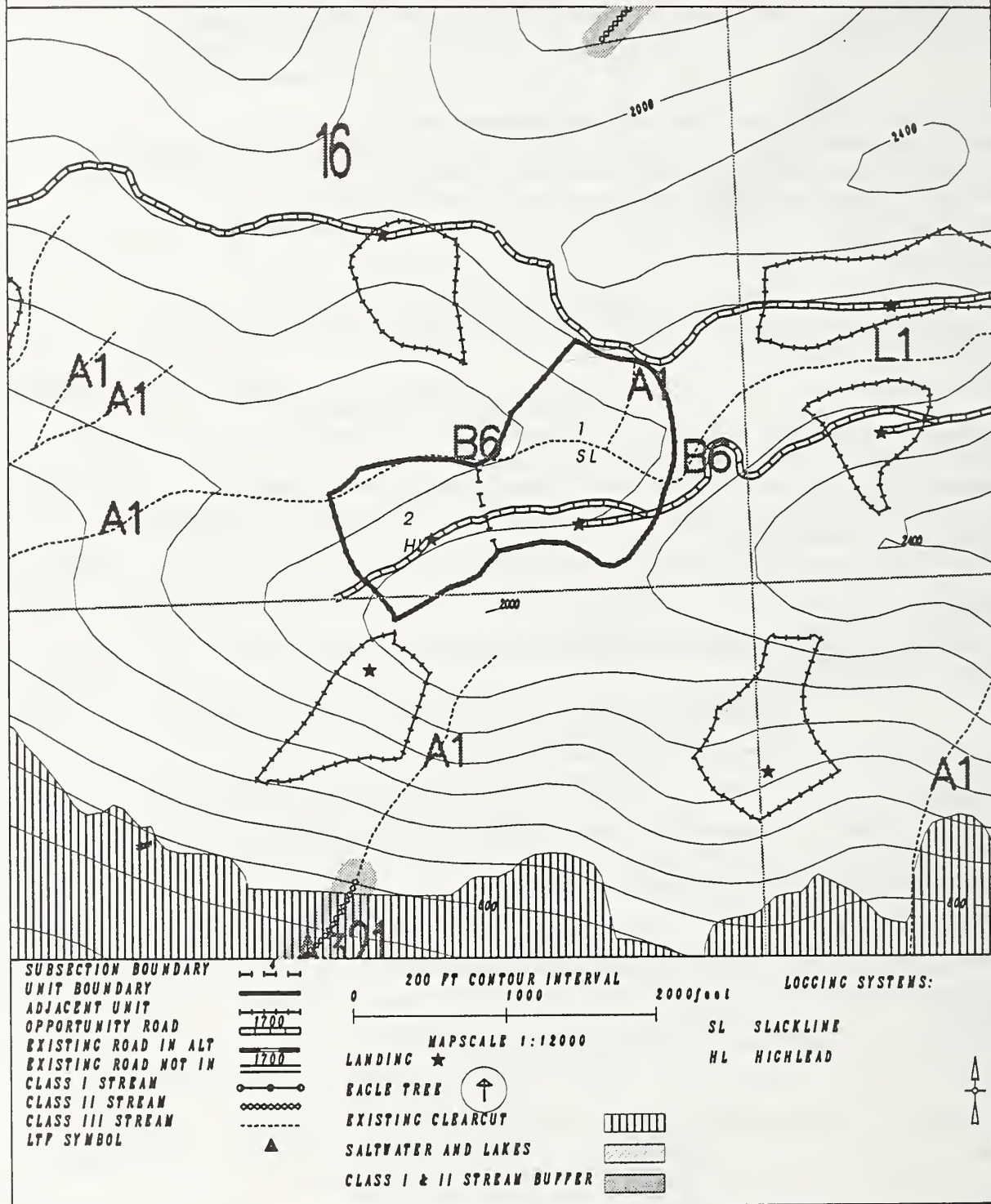
VCU: 7370

UNIT NUMBER: 7058

PLANNED HARVEST UNIT MAP

ACRES: 49 VOLUME: 1486 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-36 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7059</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>13</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>395</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-36</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 2 acres VC5 11 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 5 acres 1200-1500 ft. 4 acres over 1500 ft. 3 acres
Mass movement index: Low 0 acres Medium 0 acres High 13 acres Very High 0 acres
Cedar 0 Hemlock 13 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 12 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 12 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

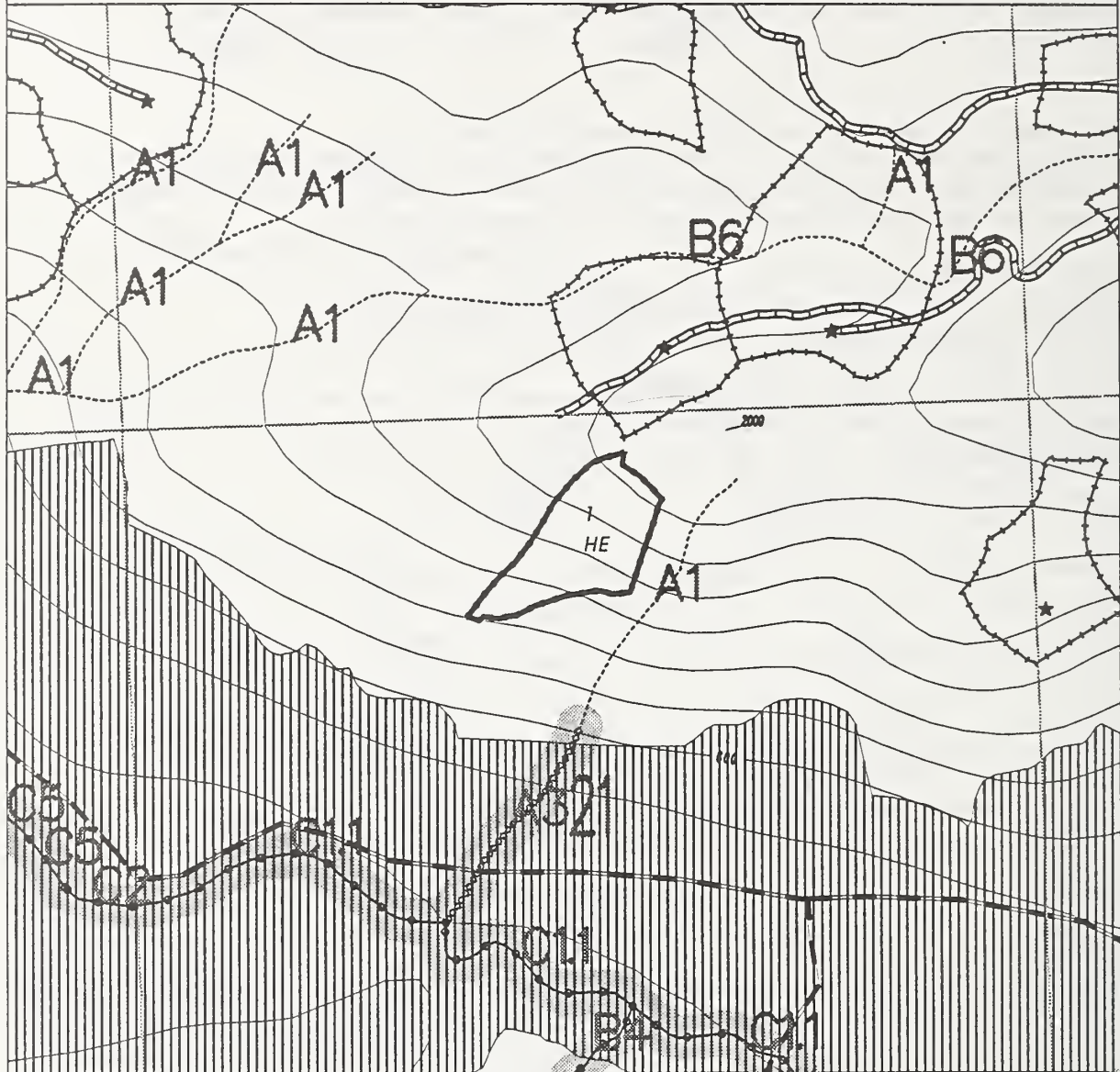
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7059

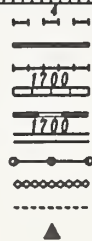
PLANNED HARVEST UNIT MAP

ACRES: 13 VOLUME: 395 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-36 LANDNET INFO TOWNSHIP 20S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★

EAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7060</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>15</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>375</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-36</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 15 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 0 acres 1200-1500 ft. 7 acres over 1500 ft. 7 acres
Mass movement index: Low 0 acres Medium 0 acres High 15 acres Very High 0 acres
Cedar 0 Hemlock 15 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 15 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 10 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

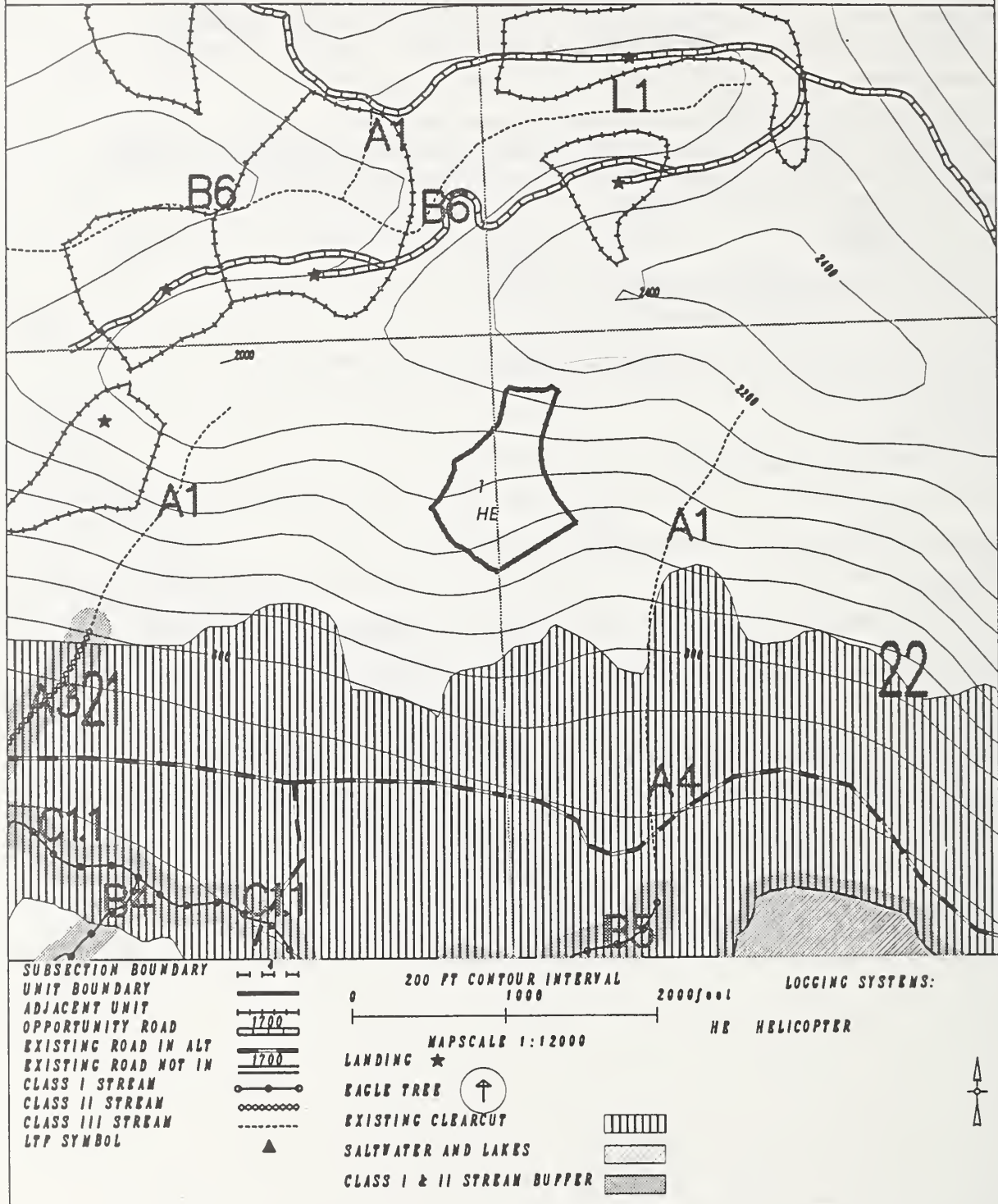
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7060

PLANNED HARVEST UNIT MAP

ACRES: 15 VOLUME: 375 MBF QUAD(s): KYND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-38 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7061</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>9</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>283</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-36</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 9 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 9 acres
Mass movement index: Low 0 acres Medium 0 acres High 9 acres Very High 0 acres
Cedar 0 Hemlock 9 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect North

SOILS

This unit has 8 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 8 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

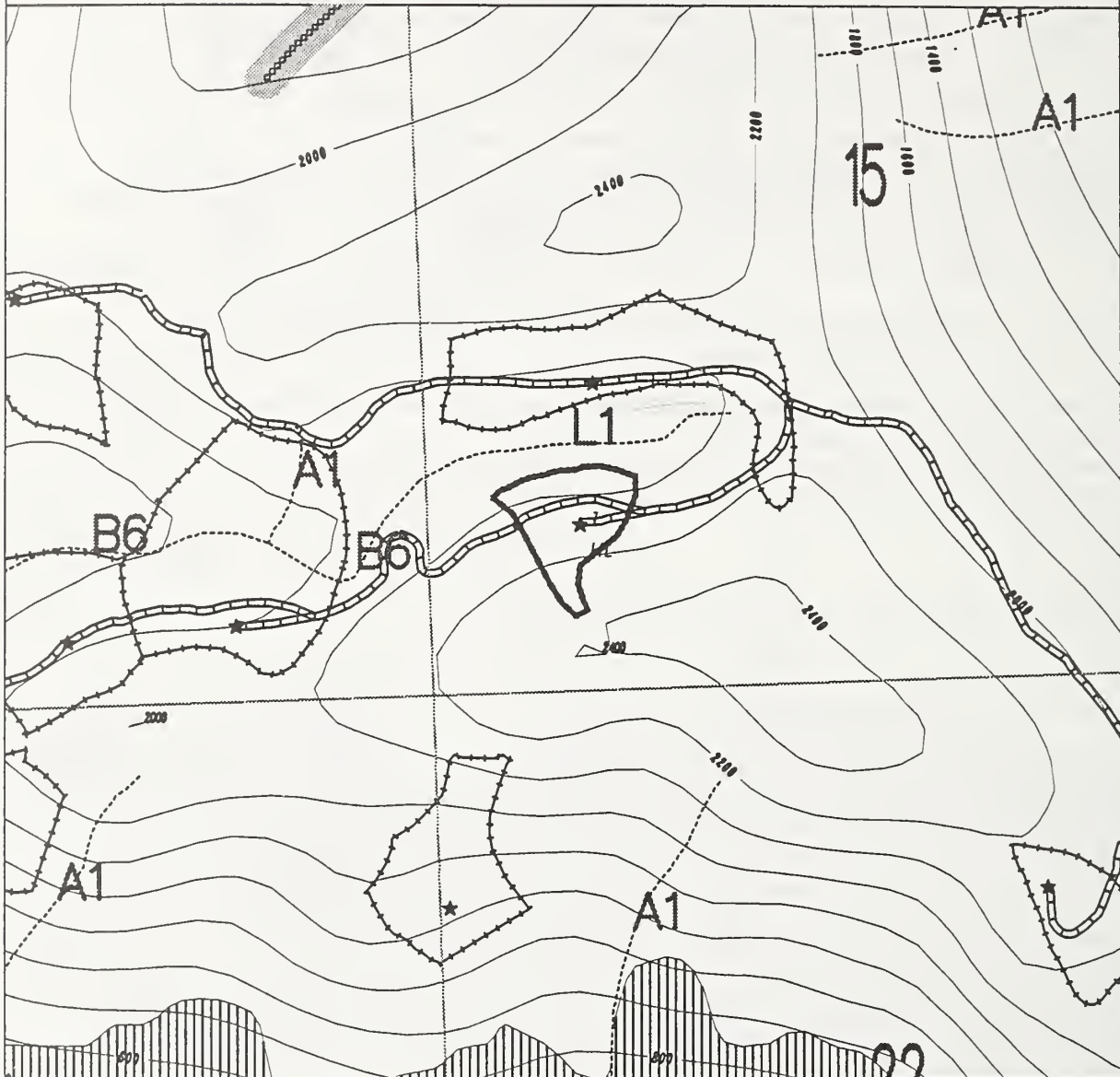
NORTH REYILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7081

PLANNED HARVEST UNIT MAP

ACRES: 9 VOLUME: 283 MBF QUAD(s): KYND5 QUARTER QUAD(s): SE3
 PHOTO NUM.: 1279-36 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7062</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>24</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>695</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CMM</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-36</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 9 acres VC5 15 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 24 acres
Mass movement index: Low 22 acres Medium 0 acres High 2 acres Very High 0 acres
Cedar 0 Hemlock 24 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 24 acres that may require partial or full suspension (BMP 13.9)
This unit contains 13 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 2 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370

UNIT NUMBER: 7062

PLANNED HARVEST UNIT MAP

ACRES: 24

VOLUME: 695

MBP

QUAD(s): KTHDS

QUARTER QUAD(s): SES

PHOTO NUM.:

1279-36

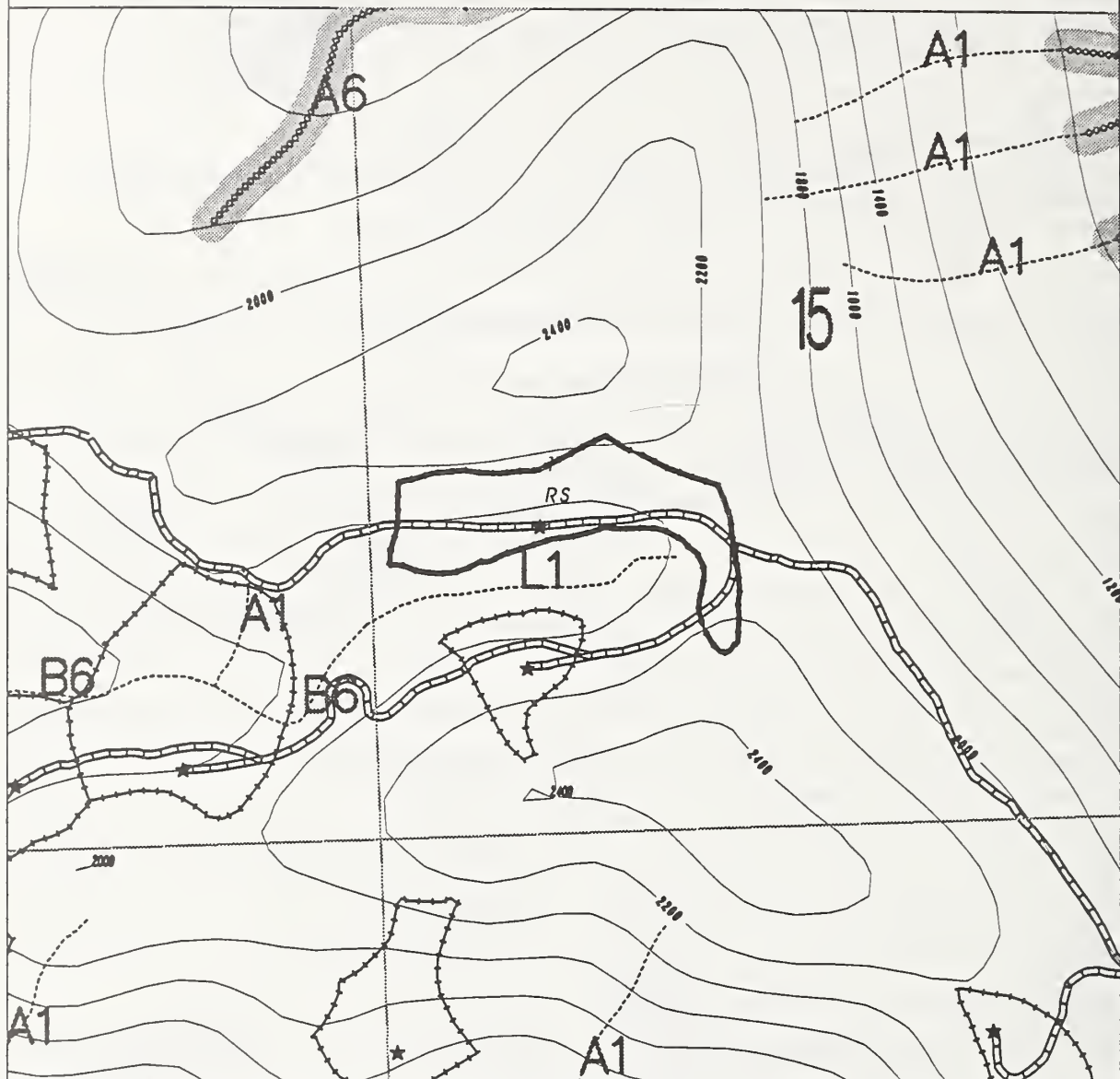
LANDNET INFO

TOWNSHIP

70S

RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
UNIT BOUNDARY
ADJACENT UNIT
OPPORTUNITY ROAD
EXISTING ROAD IN ALT
EXISTING ROAD NOT IN
CLASS I STREAM
CLASS II STREAM
CLASS III STREAM
LTP SYMBOL



200 FT CONTOUR INTERVAL
0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
EAGLE TREE (upward arrow)
EXISTING CLEARCUT
SALTWATER AND LAKES
CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7063</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>9</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>224</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-55</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 9 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 9 acres
Mass movement index: Low 0 acres Medium 0 acres High 9 acres Very High 0 acres
Cedar 0 Hemlock 9 Mixed 0 Percent Seen .00 Percent Unseen .00 Aspect South

SOILS

This unit has 9 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 9 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

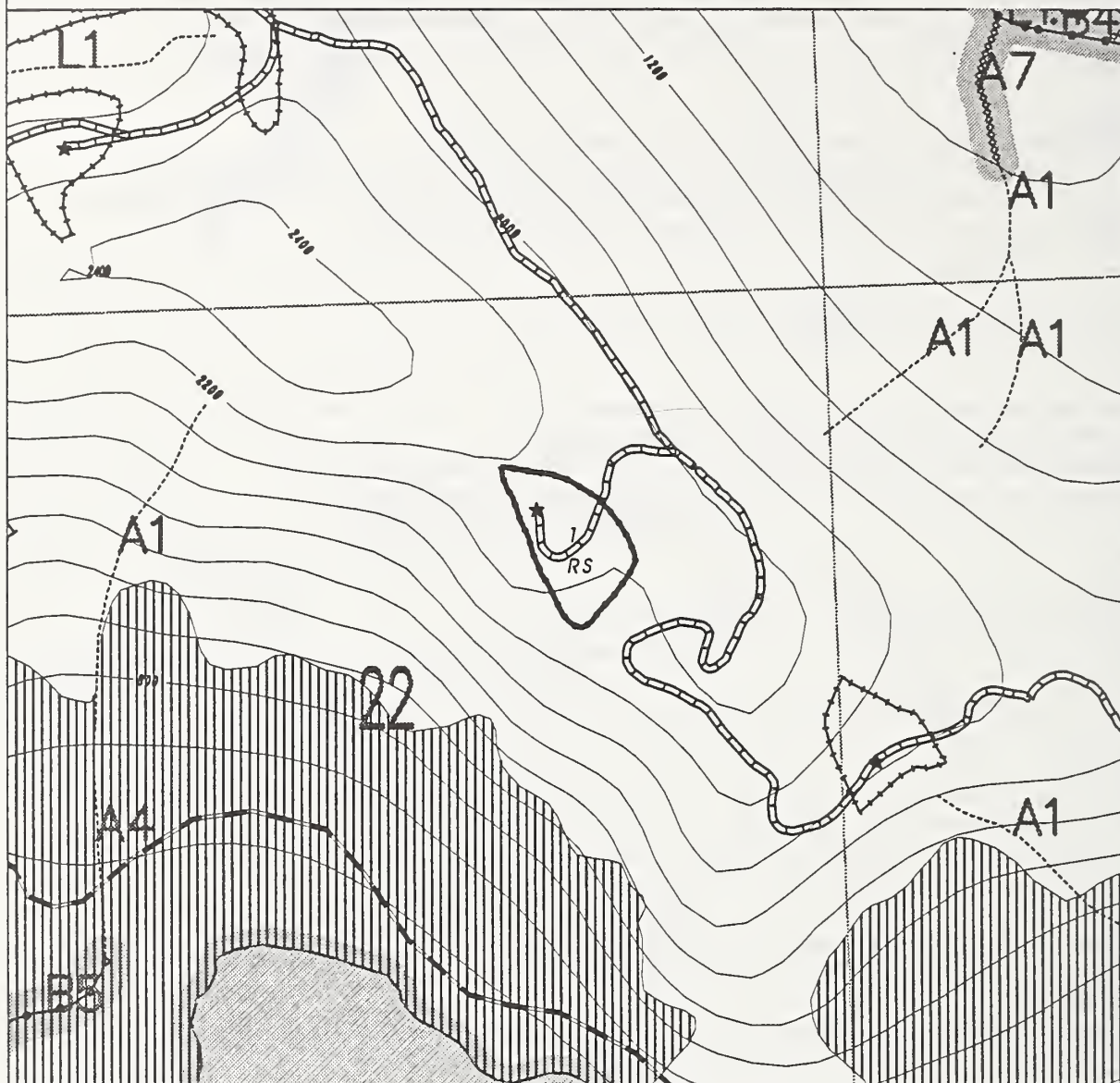
VCU: 7370

UNIT NUMBER: 7083

PLANNED HARVEST UNIT MAP

ACRES: 9 VOLUME: 224 MBF QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-55 LANDNET INFO TOWNSHIP 70S RANGE 81E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

BAGLE TREE ↑

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7064</u>	No. Settings <u>1</u>	Alternatives considered <u>4 5</u>	VQO <u>MM</u>
Planned acres <u>7</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>175</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-56</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 7 acres VC5 0 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 1 acres over 1500 ft. 6 acres
Mass movement index: Low 0 acres Medium 0 acres High 7 acres Very High 0 acres
Cedar 0 Hemlock 7 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 7 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 6 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

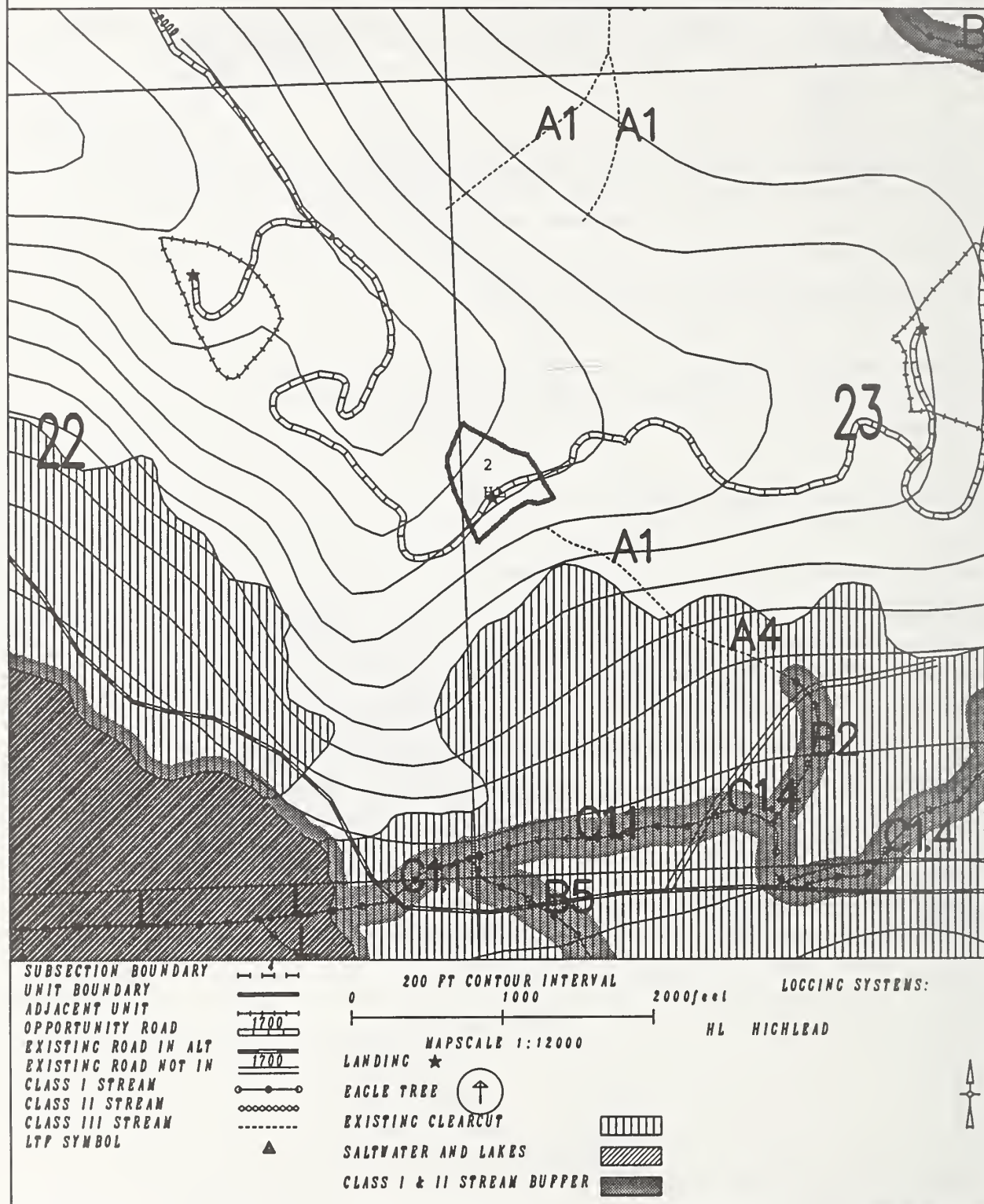
There are no geological mitigation measures anticipated for this unit.

VCU: 7370 UNIT NUMBER: 7064

PLANNED HARVEST UNIT MAP

ACRES: 7 VOLUME: 175 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-56 LANDNET INFO TOWNSHIP 20S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



October 25, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7065</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>13</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>385</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-56</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 10 acres VC5 0 acres VC6 0 acres VC7 3 acres
Elevation breakdown: 0-800 ft. 3 acres 800-1200 ft. 10 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 1 acres Medium 0 acres High 12 acres Very High 0 acres
Cedar 0 Hemlock 13 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 9 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 1 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

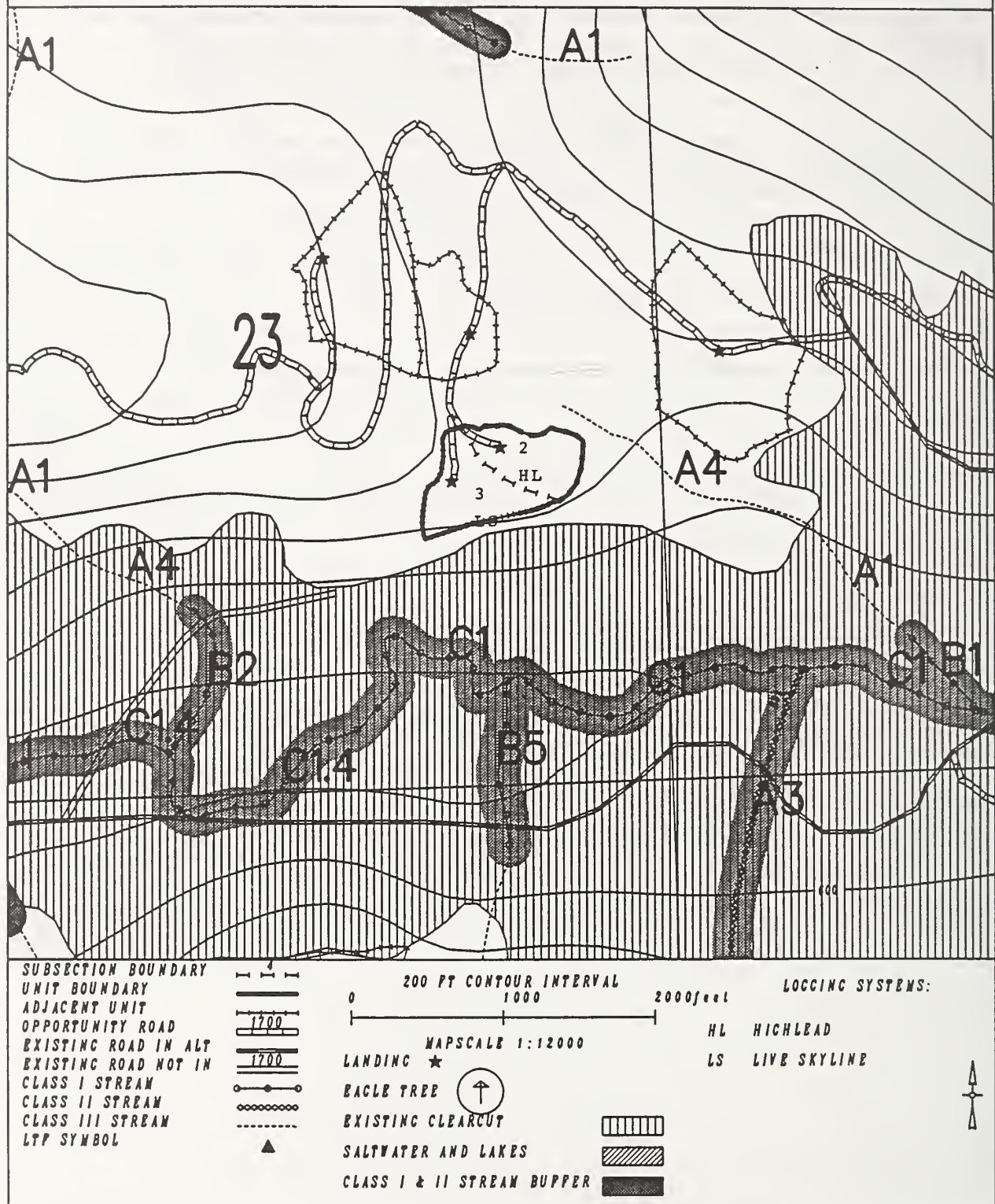
There are no geological mitigation measures anticipated for this unit.

VCU: 7370 UNIT NUMBER: 7065

PLANNED HARVEST UNIT MAP

ACRES: 13 VOLUME: 385 MBP QUAD(s): KTND5 QUARTER QUAD(s): SBS
 PHOTO NUM.: 1279-56 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7066</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>21</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>582</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-85</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 12 acres VC5 9 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 8 acres 800-1200 ft. 13 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 13 acres High 8 acres Very High 0 acres
Cedar 0 Hemlock 21 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect South

SOILS

This unit has 21 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

YCU: 7370 UNIT NUMBER: 7066

ACRES: 21 VOLUME: 582 MBF QUAD(s): KTND QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-85 LANDNET INFO TOWNSHIP 70S RANGE 91R

200 FT CONTOUR INTERVAL
0 1000 2000 feet

RS RUNNING SKYLINE

MAPSCALE 1:12000

LANDING ★

EAGLE TREE

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7067</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>18</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>566</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-85</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 18 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 11 acres 1200-1500 ft. 7 acres over 1500 ft. 0 acres
Mass movement index: Low 0 acres Medium 3 acres High 15 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 18 Percent Seen 0.00 Percent Unseen 1.00 Aspect South

SOILS

This unit has 18 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 1 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

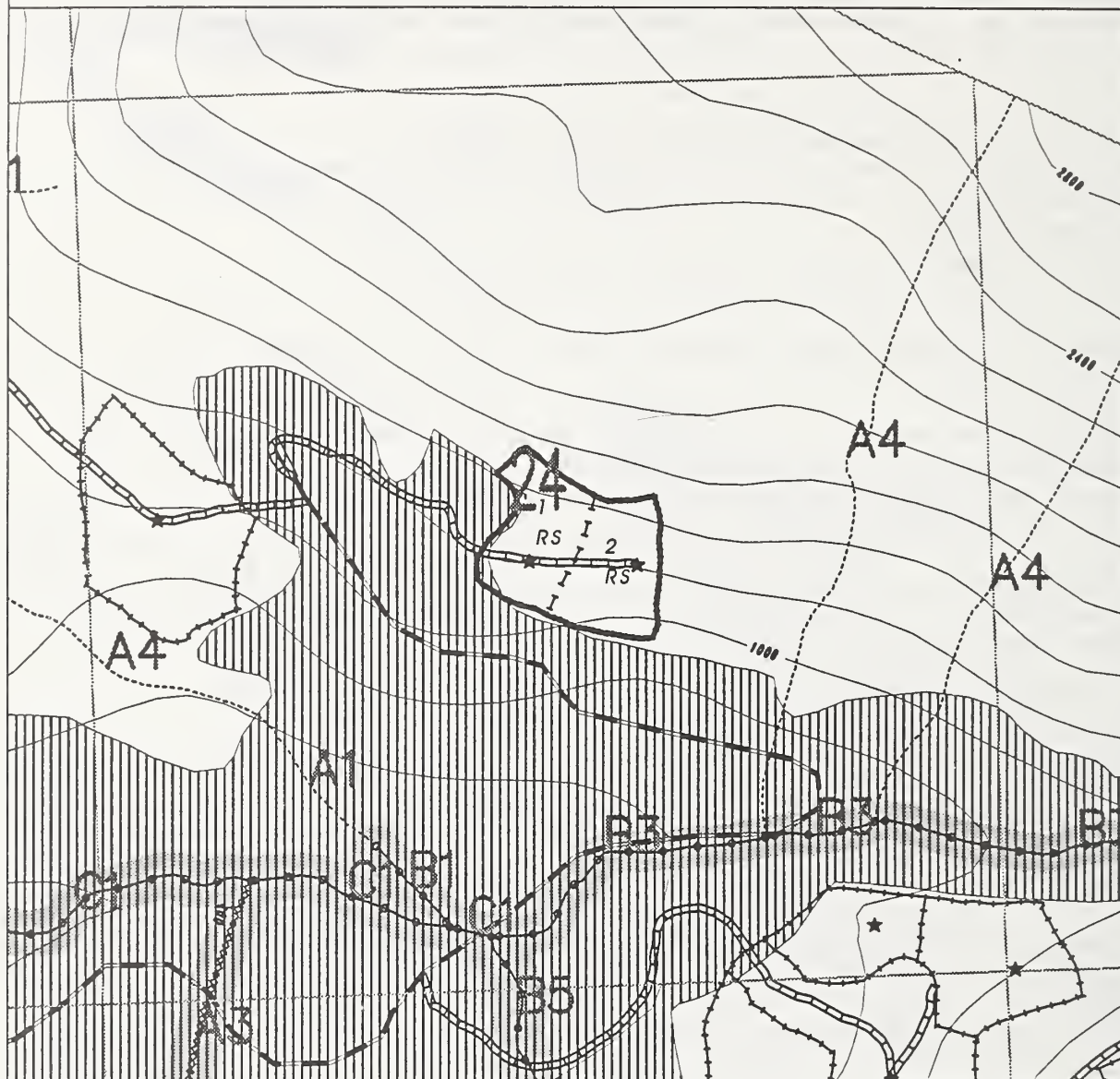
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7067

PLANNED HARVEST UNIT MAP

ACRES: 18 VOLUME: 566 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-85 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



0 200 FT CONTOUR INTERVAL 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

RS RUNNING SKYLINE



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7068</u>	No. Settings <u>3</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>26</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>736</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>SL RS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-10</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 14 acres VC5 11 acres VC6 1 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 5 acres 1200-1500 ft. 20 acres over 1500 ft. 2 acres
Mass movement index: Low 0 acres Medium 5 acres High 21 acres Very High 0 acres
Cedar 0 Hemlock 15 Mixed 11 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 26 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilverly soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 11 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 8 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Very difficult road construction due to unstable, oversteepened slopes or extended steep grades. If road can not be surveyed, may need to revise logging system to helicopter.
High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B3 class 1 stream. No harvest within 100 feet and full suspension if yarding across.
Immediately adjacent to a A2 class 2 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

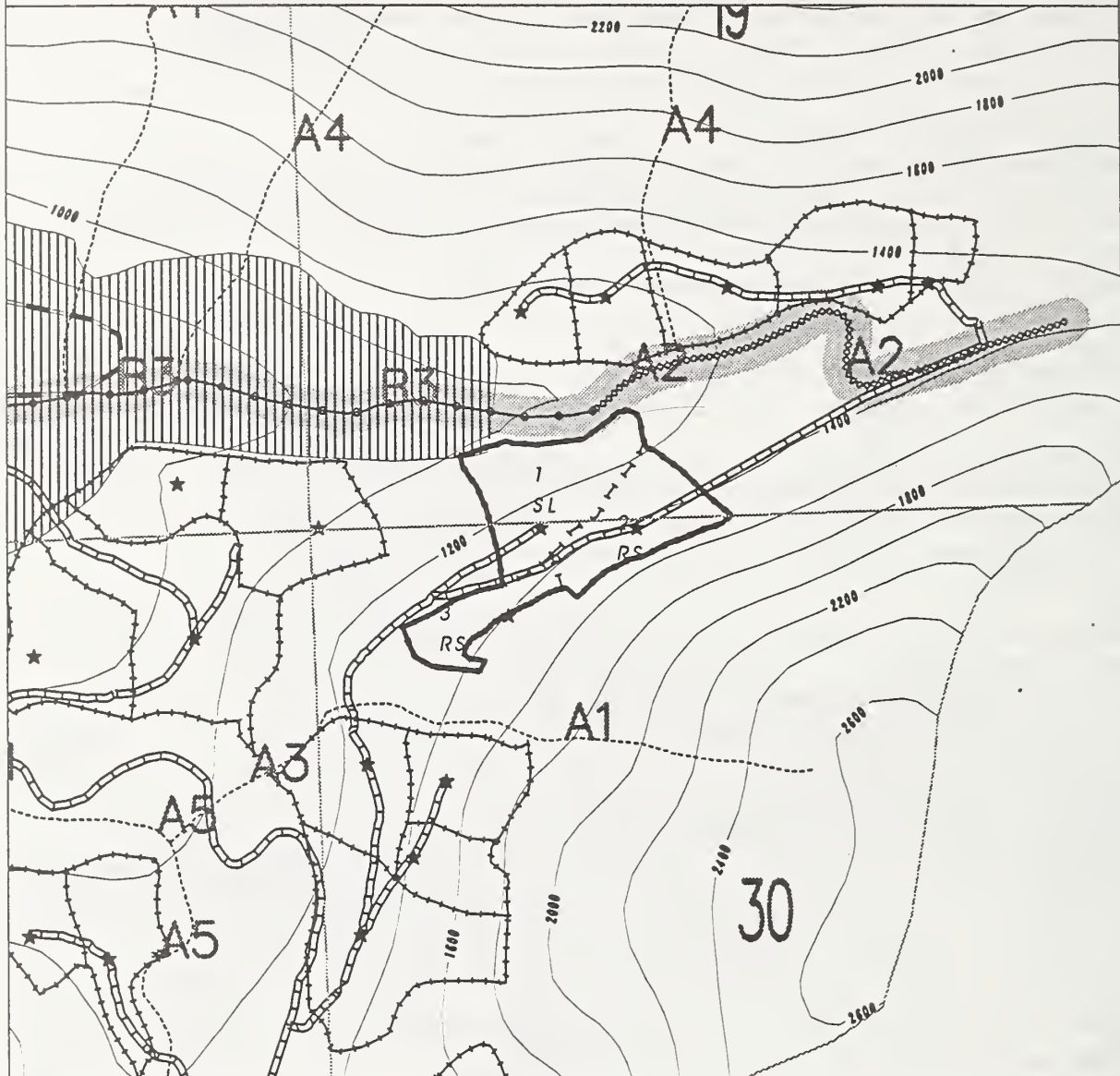
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7068

PLANNED HARVEST UNIT MAP

ACRES: 26 VOLUME: 736 MBF QUAD(s): K7ND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-10 LANDNET INFO TOWNSHIP 70S RANGE 92R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



MAPSCALE 1:12000

LANDING ★
 BACLE TREE (upward arrow)
 EXISTING CLEARCUT (hatched box)
 SALTWATER AND LAKES (wavy line)
 CLASS I & II STREAM BUFFER (shaded box)

LOGGING SYSTEMS:

SL SLACKLINE
 RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7069</u>	No. Settings <u>3</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>17</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>483</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CMM</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>No Phot</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 8 acres VC5 9 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 1 acres 800-1200 ft. 0 acres 1200-1500 ft. 11 acres over 1500 ft. 5 acres
Mass movement index: Low 6 acres Medium 0 acres High 11 acres Very High 0 acres
Cedar 0 Hemlock 9 Mixed 8 Percent Seen 0.01 Percent Unseen 0.99 Aspect West

SOILS

This unit has 16 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 8 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

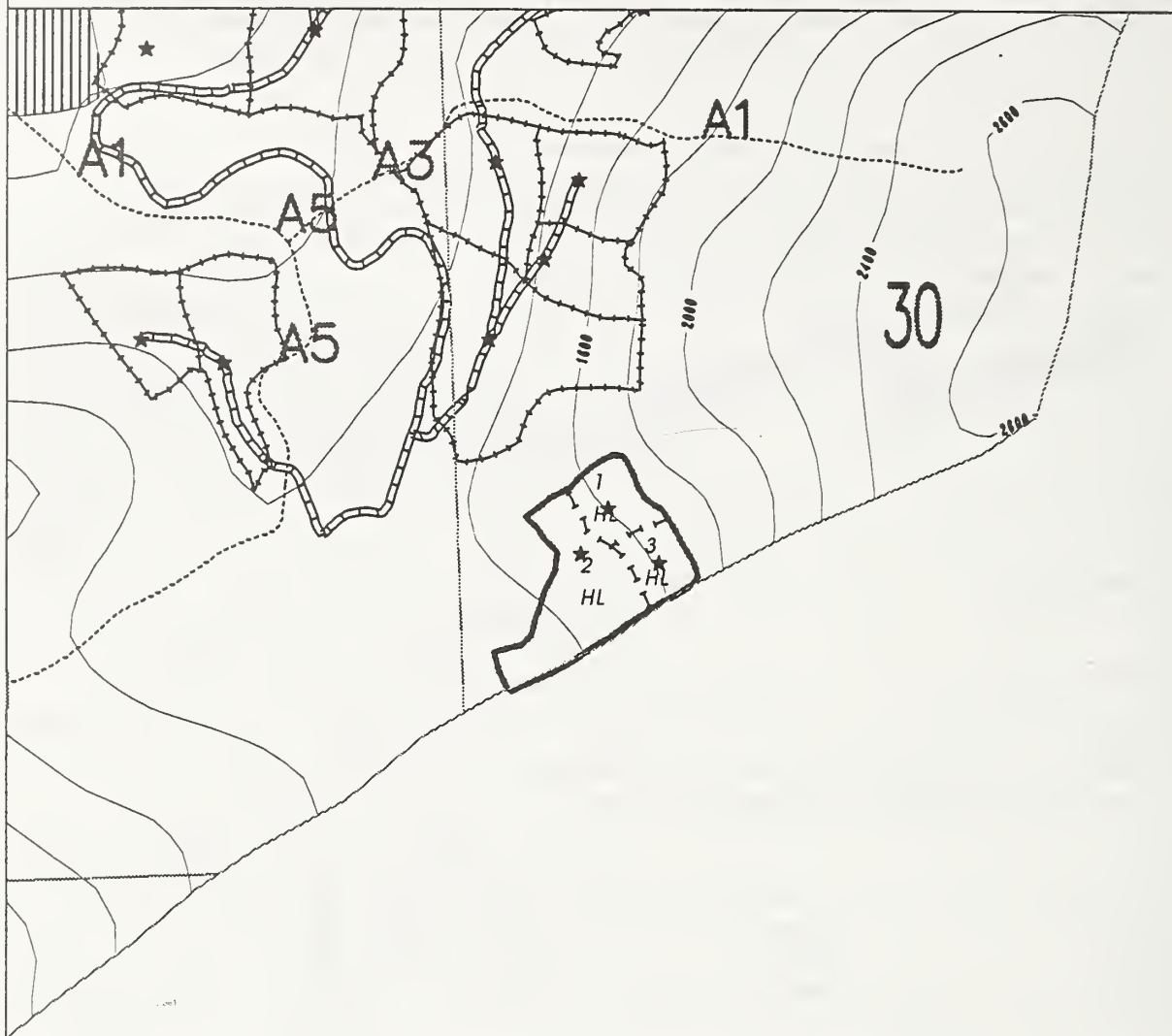
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7069

PLANNED HARVEST UNIT MAP

ACRES: 17 VOLUME: 483 MBP QUAD(s): KYND5 QUARTER QUAD(s): SES
 PHOTO NUM.: No Phot LANDNET INFO TOWNSHIP 70S RANGE 82E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

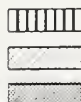
LANDING ★

BACLE TREE (upward arrow symbol)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7070</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>50</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1568</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-57</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 50 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 22 acres 1200-1500 ft. 21 acres over 1500 ft. 7 acres
Mass movement index: Low 0 acres Medium 0 acres High 50 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 50 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 50 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 49 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A4 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

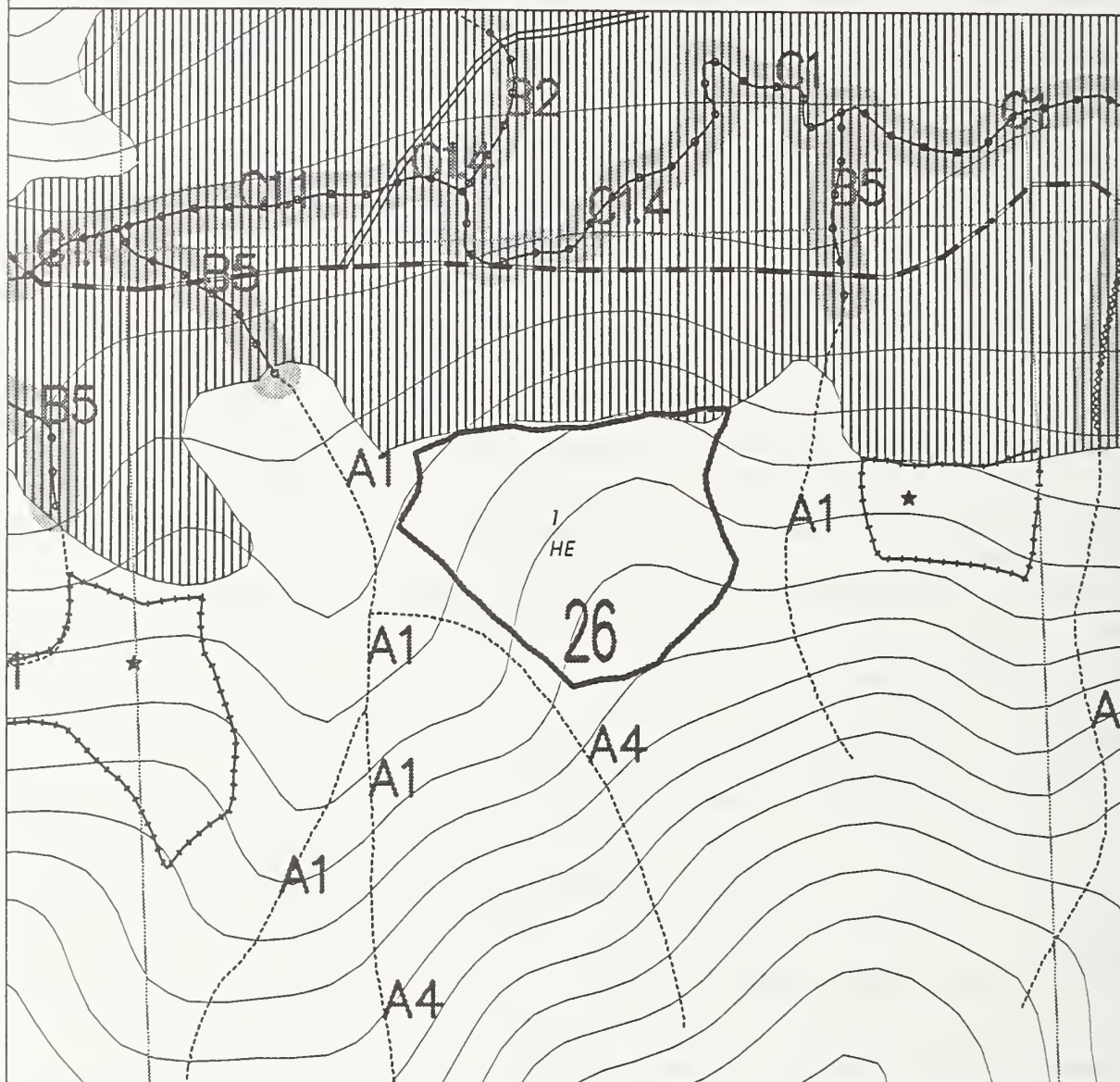
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7070

PLANNED HARVEST UNIT MAP

ACRES: 50 VOLUME: 1568 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-57 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (tree symbol)
 EXISTING CLEARCUT (hatched box)
 SALTWATER AND LAKES (wavy line)
 CLASS I & II STREAM BUFFER (stippled box)

LOGGING SYSTEMS:

HE HELICOPTER



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7071</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>30</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>941</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-57</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 30 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 10 acres 1200-1500 ft. 14 acres over 1500 ft. 6 acres
Mass movement index: Low 0 acres Medium 0 acres High 30 acres Very High 0 acres
Cedar 0 Hemlock 30 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 30 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has a significant possibility to have areas reclassified as MMI = 4.
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 29 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

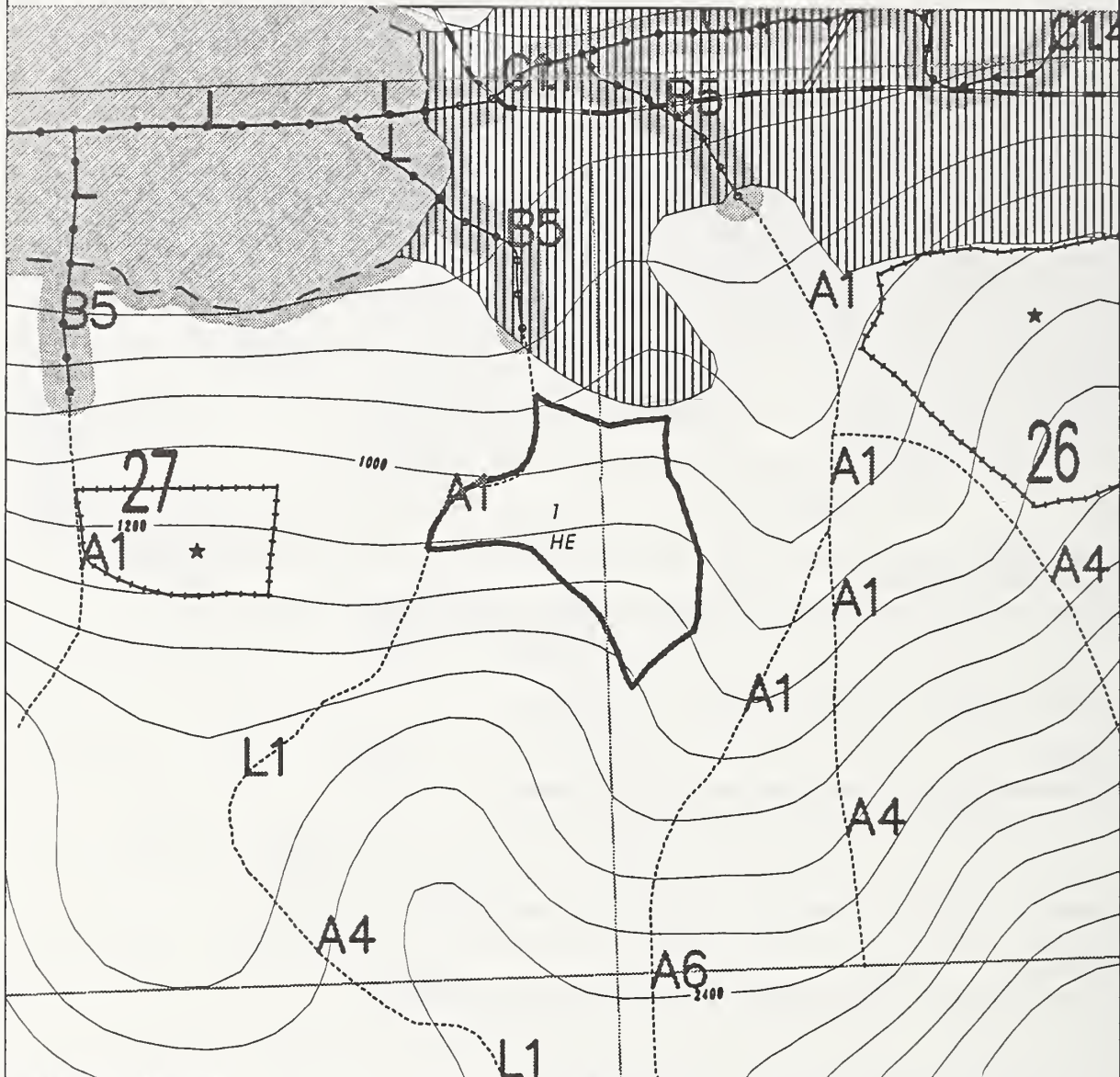
VCU: 7370

UNIT NUMBER: 7071

PLANNED HARVEST UNIT MAP

ACRES: 30 VOLUME: 941 HBP QUAD(s): KTND5 QUARTER QUAD(s): SE3
 PHOTO NUM.: 1279-57 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet
 MAP SCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:
 HE HELICOPTER



September 22, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7072</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>15</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>471</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-57</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 15 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 3 acres 1200-1500 ft. 10 acres over 1500 ft. 2 acres
Mass movement index: Low 0 acres Medium 0 acres High 15 acres Very High 0 acres
Cedar 0 Hemlock 15 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect North

SOILS

This unit has 15 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 14 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Potential regeneration problem. May need to consider other silvicultural prescriptions (or hand plant) to meet BMP13.19.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

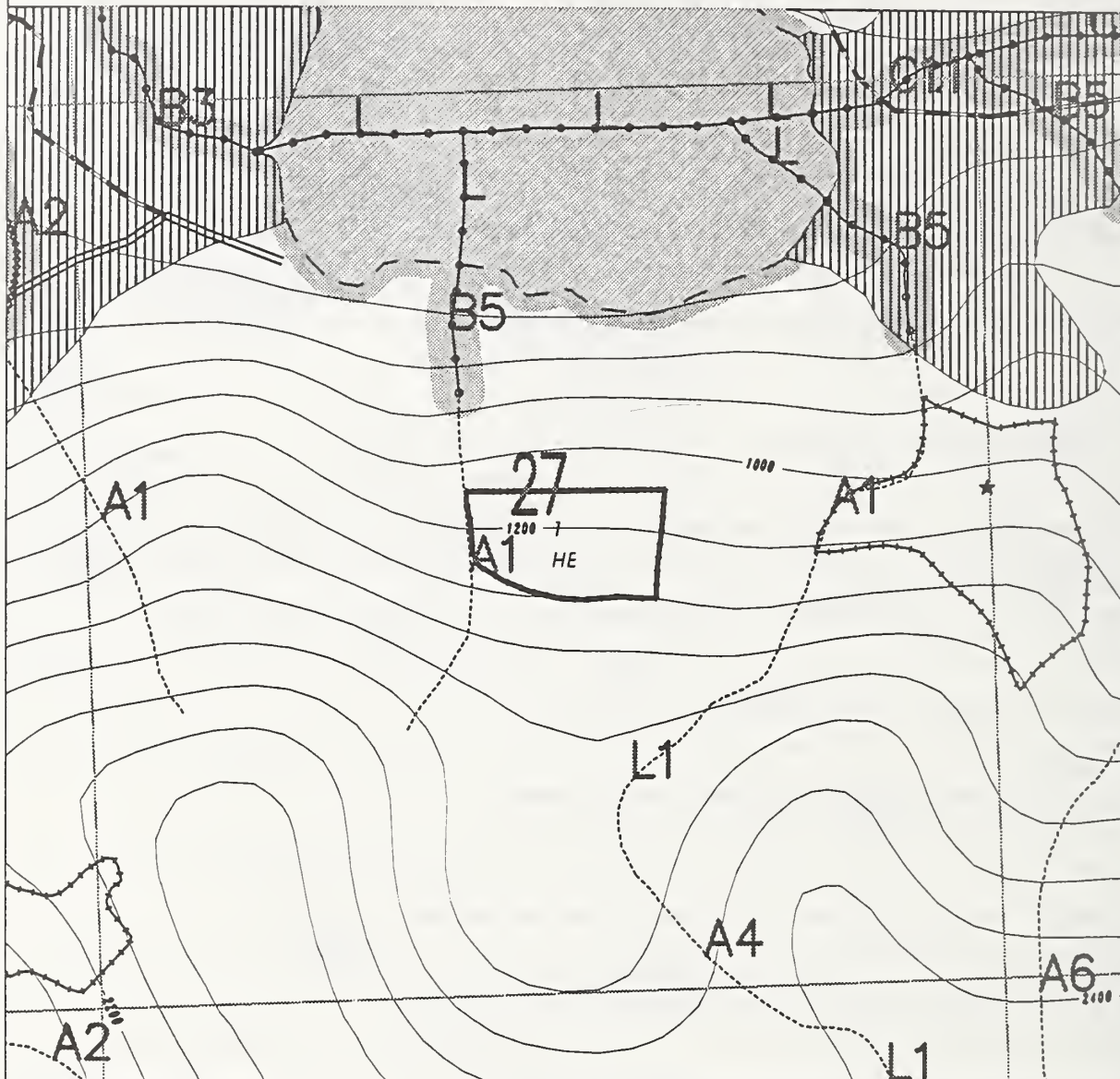
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7072

PLANNED HARVEST UNIT MAP

ACRES: 15 VOLUME: 471 MBF QUAD(s): KYND5 QUARTER QUAD(s): SES
PHOTO NUM.: 1279-57 LANDNET INFO TOWNSHIP 70S RANGE 91E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
UNIT BOUNDARY
ADJACENT UNIT
OPPORTUNITY ROAD
EXISTING ROAD IN ALT
EXISTING ROAD NOT IN
CLASS I STREAM
CLASS II STREAM
CLASS III STREAM
LTP SYMBOL



200 FT CONTOUR INTERVAL
0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★
BACLE TREE ↑
EXISTING CLEARCUT
SALTWATER AND LAKES
CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:
HE HELICOPTER



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7073</u>	No. Settings <u>5</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>63</u>		Quad <u>KTND5SES</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1950</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WHS</u>
Logging methods <u>HE</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1279-34</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 4 acres VC5 59 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 16 acres 1200-1500 ft. 35 acres over 1500 ft. 12 acres
Mass movement index: Low 3 acres Medium 0 acres High 60 acres Very High 0 acres
Cedar 0 Hemlock 63 Mixed 0 Percent Seen 0.56 Percent Unseen 0.44 Aspect North

SOILS

This unit has 62 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 7 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 48 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 3 streams which have fish passage requirements, none of which have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A1 class 3 stream. No specific buffer required, but full suspension, if yarding across.
Immediately adjacent to a A1 class 3 stream. No specific buffer, but full suspension if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

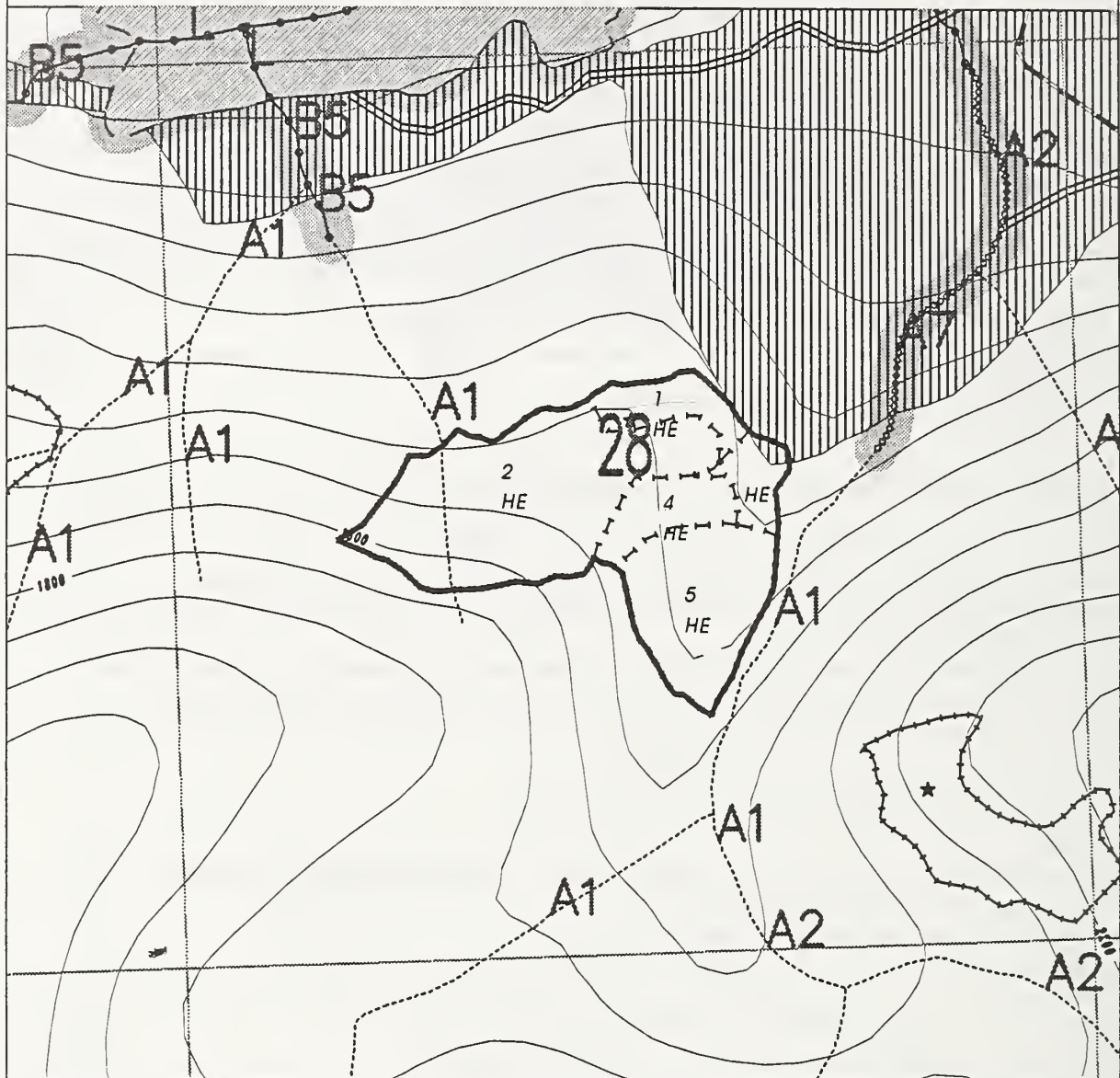
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7073

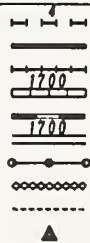
PLANNED HARVEST UNIT MAP

ACRES: 63 VOLUME: 1950 MBF QUAD(s): KPMDS QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-34 LANDNET INFO TOWNSHIP 70S RANGE 21R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 EAGLE TREE (upward arrow)
 EXISTING CLEARCUT
 SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HE HELICOPTER



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7074</u>	No. Settings <u>5</u>	Alternatives considered <u>5</u>	VQO <u>M</u>
Planned acres <u>78</u>	Quad <u>KTND5SES</u>		Windthrow risk <u>H</u>
Estimated volume (mbf) <u>2184</u>	Mgmt Area <u>K32</u> VCU <u>7370</u>		Plant Series <u>WHS</u>
Logging methods <u>RS LS</u>	WAA <u>510</u>		Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>	1979 Photo <u>1279-10</u>		

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 41 acres VC5 37 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 0 acres 1200-1500 ft. 25 acres over 1500 ft. 53 acres
Mass movement index: Low 2 acres Medium 0 acres High 76 acres Very High 0 acres
Cedar 0 Hemlock 78 Mixed 0 Percent Seen 0.09 Percent Unseen 0.91 Aspect North

SOILS

This unit has 77 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 44 mapped acres on very steep slopes. Verify timber suitability.
This unit possibly contains riparian areas. Maintain water quality and fish habitat (BMPs12.6, 13.9).

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
This unit contains riparian areas. Use site specific BMPs to maintain water quality and fish habitat/passage during road construction (BMP14.13).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
This unit contains a A4 class 3 stream. No specific buffer required, but full suspension, if yarding across.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of M as seen from viewpoints within the HEAD OF NEETS BAY viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

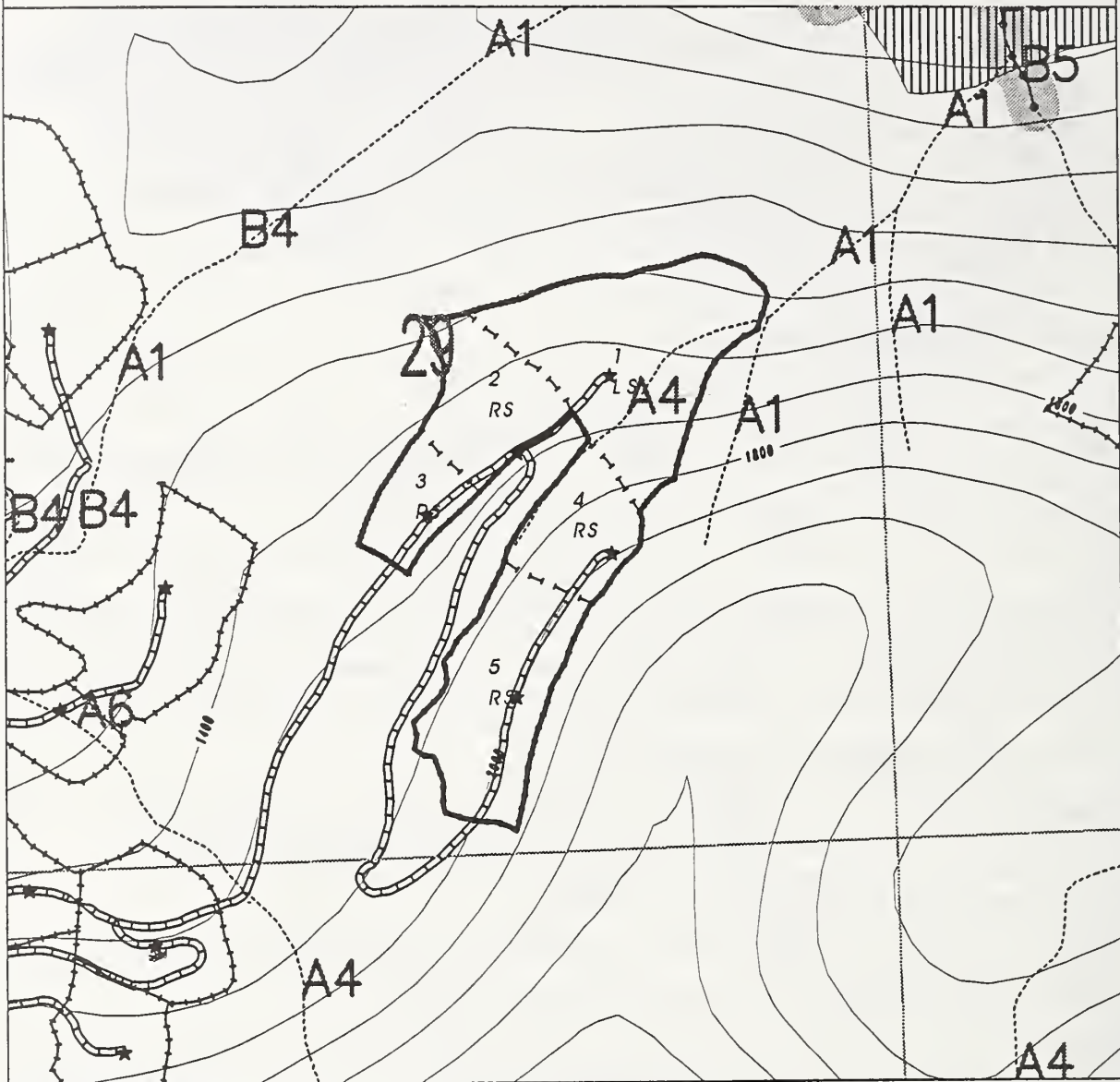
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7074

PLANNED HARVEST UNIT MAP

ACRES: 78 VOLUME: 2184 MBP QUAD(s): KTND5 QUARTER QUAD(s): SES
 PHOTO NUM.: 1279-10 LANDNET INFO TOWNSHIP 70S RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

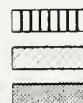
LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

LS LIVE SKYLINE
 RS RUNNING SKYLINE



October 08, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7075</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>26</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>1009</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-18</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 6 acres VC6 20 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 0 acres 800-1200 ft. 5 acres 1200-1500 ft. 19 acres over 1500 ft. 2 acres
Mass movement index: Low 1 acres Medium 0 acres High 25 acres Very High 0 acres
Cedar 0 Hemlock 26 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 26 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit contains 13 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).
This unit contains 11 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are no fishery mitigation measures anticipated for this unit.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

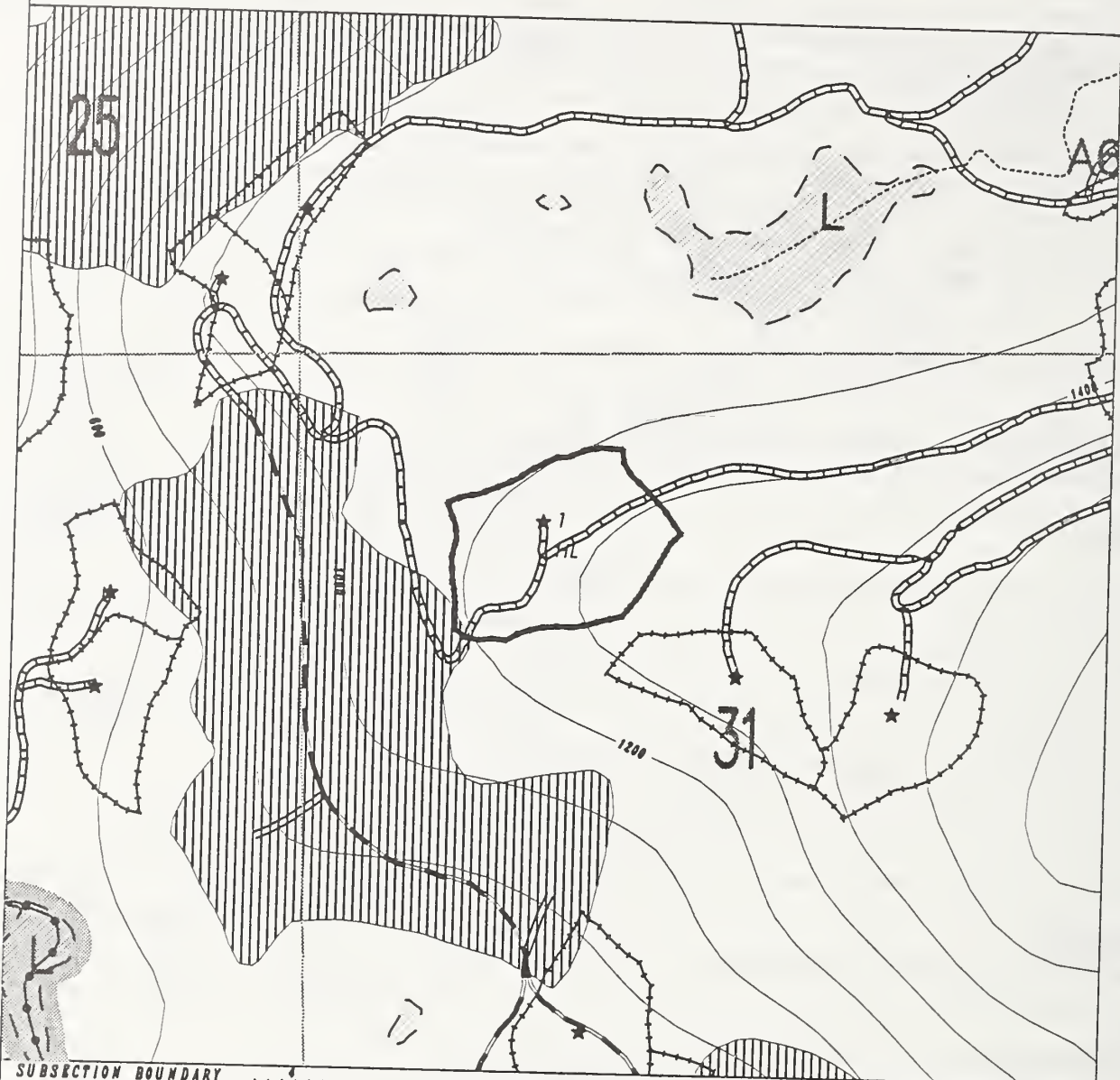
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7075

PLANNED HARVEST UNIT MAP

ACRES: 26 VOLUME: 1009 MBP QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-18 LANDNET INFO TOWNSHIP 7QS RANGE 91R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

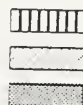
LANDING ★

EAGLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7076</u>	No. Settings <u>2</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>20</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>821</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CCD</u>
Logging methods <u>HL</u> <u>RS LS</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-18</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 0 acres VC6 20 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 20 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 2 acres Medium 0 acres High 18 acres Very High 0 acres
Cedar 0 Hemlock 20 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 20 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has < 40% McGilvery soils. Partial suspension required (BMP13.9) to ensure reforestation (BMP13.19).
This unit contains 18 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
Oversteepened slopes may require full bench construction and endhaul of waste (BMP14.7).

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.

WILDLIFE

There are no wildlife mitigation measures anticipated for this unit.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed,
approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7076

PLANNED HARVEST UNIT MAP

ACRES: 20 VOLUME: 821 MBF QUAD(s): KTND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-18 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



0 200 FT CONTOUR INTERVAL 1000 2000 feet

MAPSCALE 1:12000

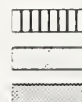
LANDING ★

EAGLE TREE (upward arrow in a circle)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD

RS RUNNING SKYLINE



October 13, 1992

UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7077</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>15</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>471</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>WDC</u>
Logging methods <u>RS</u>		WAA <u>510</u>	Forest type <u>Mixed conifer</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-18</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 0 acres VC5 15 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 15 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 3 acres Medium 0 acres High 12 acres Very High 0 acres
Cedar 0 Hemlock 0 Mixed 15 Percent Seen 0.00 Percent Unseen 1.00 Aspect West

SOILS

This unit has 15 acres that may require partial or full suspension (BMP 13.9)
This unit has high mass movement index soils. Partial log suspension required over these areas.(BMP13.9)
This unit has > 40% McGilvery soils inventoried. Partial suspension will be required wherever these soils are found (BMP13.9) to aid reforestation (BMP13.19).
This unit contains 1 mapped acres on very steep slopes. Verify timber suitability.

TIMBER

There are no timber mitigation measures anticipated for this unit.

ENGINEERING

High mass movement index soils. Road construction must minimize landslide potential (BMP14).
The road into this unit crosses a B2 channel. Meet stream and lake protection prescription requirements in TLMP Draft Revision (1991a) for this process group.

FISH/WATERSHED

There are 1 streams which have fish passage requirements, of these passes 1 have timing restrictions.
Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM as seen from viewpoints within the _____ viewshed, approximately a minimum 1/4 mile from shoreline.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

There are no cultural resource mitigation measures anticipated for this unit.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

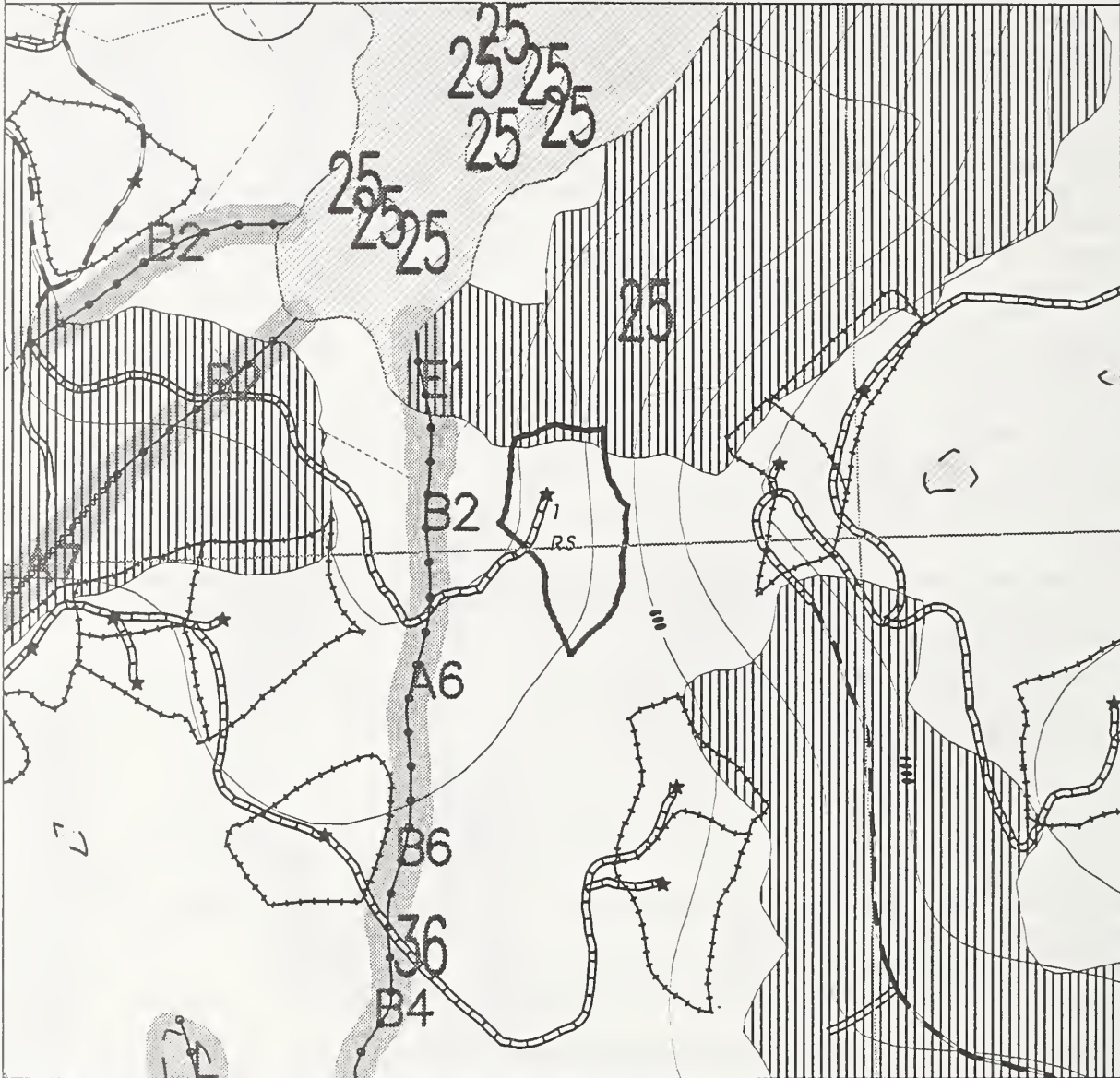
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7077

PLANNED HARVEST UNIT MAP

ACRES: 15 VOLUME: 471 MBF QUAD(s): KYND5 QUARTER QUAD(s): SWS
 PHOTO NUM.: 1179-18 LANDNET INFO TOWNSHIP 70S RANGE 90R

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAP SCALE 1:12000

LANDING ★

BACLE TREE (↑)

EXISTING CLEARCUT

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

RS RUNNING SKYLINE



UNIT PLAN/LAYOUT/SALE ADMINISTRATION CARD FOR NRPA DEIS

Unit <u>7078</u>	No. Settings <u>1</u>	Alternatives considered <u>5</u>	VQO <u>MM</u>
Planned acres <u>16</u>		Quad <u>KTND5SWS</u>	Windthrow risk <u>H</u>
Estimated volume (mbf) <u>407</u>		Mgmt Area <u>K32</u> VCU <u>7370</u>	Plant Series <u>CMC</u>
Logging methods <u>HL</u>		WAA <u>510</u>	Forest type <u>Hemlock</u>
Silvicultural system <u>Clearcut</u>		1979 Photo <u>1179-15</u>	

PHYSICAL DESCRIPTION

Volume class breakdown: VC4 15 acres VC5 1 acres VC6 0 acres VC7 0 acres
Elevation breakdown: 0-800 ft. 16 acres 800-1200 ft. 0 acres 1200-1500 ft. 0 acres over 1500 ft. 0 acres
Mass movement index: Low 16 acres Medium 0 acres High 0 acres Very High 0 acres
Cedar 0 Hemlock 16 Mixed 0 Percent Seen 0.00 Percent Unseen 1.00 Aspect East

SOILS

This unit has 15 acres that may require partial or full suspension (BMP 13.9)
This unit contains 15 acres of forested wetlands. Site specific BMPs will be designed for selected approved logging system and road construction practices. (BMPs 12.5, 13.9, 13.15).

TIMBER

Difficult topography - More complex/expensive yarding system may be require due to terrain.

ENGINEERING

There are no engineering mitigation measures anticipated for this unit.

FISH/WATERSHED

Potential for additional Class I/II streams within unit. May be necessary to place additional buffers within unit in accordance with AHMU Handbook.
Immediately adjacent to a B2 class 1 stream. No harvest within 100 feet and full suspension if yarding across.

WILDLIFE

Possible active Bald Eagle nest site. Road construction within 1/2 mile of Bald Eagle nest site. If nestsite is active follow the intra-agency agreement agreement with U.S. Fish & Wildlife.
Unit is adjacent to estuary or beach fringe; maintain 1000 or 500 ft buffer.

RECREATION / VISUALS

This unit has a adopted VQO of MM, and is not seen within a viewshed.
There are no visual mitigation measures anticipated for this unit.

LANDS

There are no State & private lands or special-use authorizations near this unit.

CULTURAL RESOURCES

Survey complete, results pending. No known cultural resources found.

GEOLOGY

There are no geological mitigation measures anticipated for this unit.

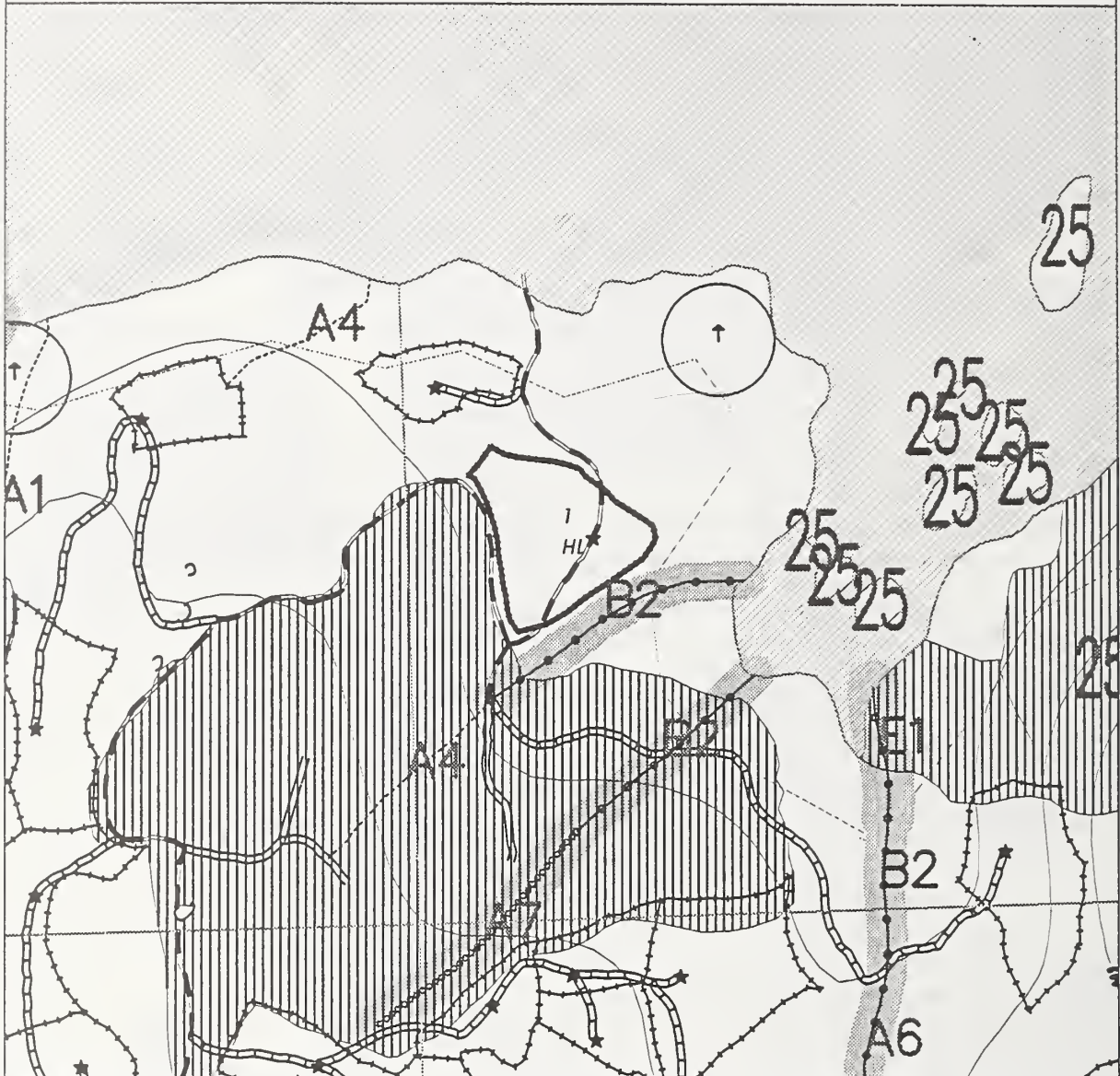
NORTH REVILLA PROJECT HARVEST UNIT DESIGN CARD

VCU: 7370 UNIT NUMBER: 7078

PLANNED HARVEST UNIT MAP

ACRES: 16 VOLUME: 407 MBP QUAD(s): KTND5 QUARTER QUAD(s): SYS
 PHOTO NUM.: 1179-15 LANDNET INFO TOWNSHIP 20S RANGE 90E

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



SUBSECTION BOUNDARY
 UNIT BOUNDARY
 ADJACENT UNIT
 OPPORTUNITY ROAD
 EXISTING ROAD IN ALT
 EXISTING ROAD NOT IN
 CLASS I STREAM
 CLASS II STREAM
 CLASS III STREAM
 LTP SYMBOL



200 FT CONTOUR INTERVAL
 0 1000 2000 feet

MAPSCALE 1:12000

LANDING ★
 BACLE TREE (upward arrow)
 EXISTING CLEARCUT

SALTWATER AND LAKES
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

HL HIGHLEAD





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